



# The Sankofa of CSS3: Moving Forward While Looking Back

**Denise R. Jacobs**

Edui Conference  
November 2010



# For Tweets' Sake

I am:

@denisejacobs

We're at:

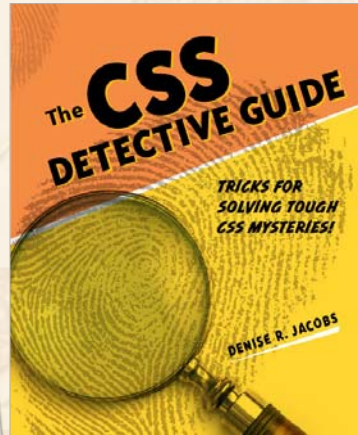
@eduiconf #eduiconf

And I'm talkin' 'bout:

#gdcss3



# A little about me



The page features decorative scrollwork in the corners, consisting of thin lines and small circular motifs in a reddish-brown color. A large, solid brown rectangular box is centered on the page, containing the text.

**What is Sankofa?**

# On Sankofa

Sankofa can mean either the word in the Akan language of Ghana that translates in English to "go back and take" or the Asante Adinkra symbol.

# Sankofa: symbols

One is similar to the eastern symbol of a heart



# Sankofa: symbols

The other is that of  
a bird with its  
head turned  
backwards taking  
an egg  
symbolizing the  
future off its back



# Sankofa: meaning

“There is no shame in going back to fetch what you have left behind, or to return and correct a mistake. Learning from the past allows you to plan well for the future and take better actions.”

# The Sankofa of CSS3?

Now is the time to look forward and employ technologies like CSS3 to present and future-proof our sites.

However, we also need to fetch what we forgot and correct the mistakes of the past by providing fallbacks through graceful degradation.

# For example: gradient & border-radius

djay

about

work

appearances



## The Mind of Raymond Jay

Professor. Sociologist.  
Philosopher. Pundit. Poet.  
Inspired Essayist. MacArthur  
Genius Award recipient.

Raymond Jay's work spans the  
gamut of disciplines and forces  
readers to challenge their  
perceptions and beliefs about the  
world and their place in it.

[read more](#)

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[read more](#)

In modern browsers

In IE, with fallback image & conditional  
comment for rounded corners



On CSS3



We're torn



Latest technologies



# The Good News

# The Evolution of CSS Selectors

{CSS 3.0}  
released 2005

{CSS 2.1}  
released 1998

{CSS 1.0}  
released 1996

**Cascade**  
**Inheritance**  
**Box Model**  
**Lists**  
**Floats**

**Selectors**  
element  
#id  
.class

**Combinator Selectors**  
Descendent: e f

**Pseudo-classes**  
Link  
:link  
:visited  
:active

**Pseudo-elements**  
Type  
:first-letter  
:first-line

**At rules**  
@import

**/\* comments \*/**

**Positioning**

**Selectors**  
Universal: \*

**Combinator Selectors**  
Child: e > f  
Adjacent Sibling: e + f  
Attribute: e[~attribute]

**Pseudo-classes**  
**Dynamic**  
:hover  
:active  
:focus

**Structural**  
:first-child

**Language**  
:lang

**Pseudo-elements**  
:before  
:after

**At rules**  
@font-face  
@media  
@character  
@page

**Combinator Selectors**  
General sibling: e ~ f

**Attribute Selectors**  
**Presence**  
a[attribute="value"]  
a[attribute!="value"]  
a[attribute|= "value"]

**Substring**  
a[attribute^="value"]  
a[attribute\$="value"]  
a[attribute\*="value"]

**Pseudo-classes**  
**State**  
:enabled  
:disabled  
:checked  
:indeterminate

**Target**  
:target

**Negation**  
:not(s)

**Structural**  
:nth-child(n)  
:nth-last-child(n)  
:nth-of-type(n)  
:nth-last-of-type(n)  
:last-child  
:first-of-type  
:last-of-type  
:only-child  
:only-of-type  
:empty


**Pseudo-elements**  
(now with :: instead of :)

# Past



# Old-school



... and I'm going to cut off the corners to get my four images: 

In the spot where I want the box to show up, I create a container div to hold the box, a div for the top row and a div for the bottom row. Between the top and bottom rows, I add my content. In the top and bottom row divs, I add the left corner image and set the inline style to read `display: none`; This makes the image invisible unless I make it visible through the stylesheet. That way, I can hide the effect from incompatible browsers by not showing them the stylesheet.

```
<div class="roundcont">
  <div class="roundtop">
    
  </div>

  <p>Lorem ipsum dolor sit amet, consectetur adipisicing
elit, sed do eiusmod tempor incididunt ut labore et
dolore magna aliqua. Ut enim ad minim veniam, quis
nostrud exercitation ullamco laboris nisi ut aliquip
ex ea commodo consequat. Duis aute irure dolor in
reprehenderit in voluptate velit esse cillum dolore eu
fugiat nulla pariatur. Excepteur sint occaecat cupidatat
non proident, sunt in culpa qui officia deserunt mollit
anim id est laborum.</p>

  <div class="roundbottom">
    
  </div>
</div>
```

The CSS sets the width and background color of the container object and the color of the

television, or any other medium. To be successful, designers must embrace those differences.

**Best of Newly Digital** There have been dozens of Newly Digital entries from all over the world. Here are some of the best.

**Writing Realistic Job Descriptions** Publish a job listing like this one and you are virtually guaranteeing that you won't get qualified applicants for the position.

**Where do the RSS ad startups fit in?** Yahoo's RSS advertising service could spell trouble for pure-play RSS advertising services unless they adapt their business model.

**More of the best »**

## Recently Read

"Give us simplicity, so we can ignore you." (Gadgetopia)

Skydiving from Space-Part I: Joseph W. Kittinger's Long, Lonely Leap (The Art of Manliness)

Ringio: Sophisticated Phone and Customer Management (GigaOM)

The Future of Startup Funding

Pricing models, the freemium myth and why you may not be charging enough for your product | Seth Levine

Why Startups Outside Tech Cities Aren't Totally Farked (GigaOM)

The Office Matters (A VC: Venture Capital and Technology)

stop(); // Hammertime! (Hey Norton)

What Happened to Yahoo



Present

# With CSS3!



FORKED  
TONGUE LTD

*Forked  
Tongue Ltd.*  
*2008*

Creation of visual  
identity for a  
translation company.

▪ *graphic design*

*PH+*  
*2008*

Creation of business  
cards for a cleaning  
company.

▪ *graphic design*



*i-Card*  
*2008*

Mini-website i-Card.  
Issue: "Pattern and  
series"

▪ *graphic design* ▪  
*photography* ▪ *flash*  
*development*



# The Not So Great News

# Still a working draft +

## ALL STANDARDS AND DRAFTS

STANDARDS

[Web Design and Applications](#)

[Web Architecture](#)

[Semantic Web](#)

[XML Technology](#)

[Web of Services](#)

[Web of Devices](#)

[Browsers and Authoring Tools](#)

[All Standards and Drafts](#)

[About W3C Standards](#)

Select  sorted by

Show details  Hide details

▶ Accessibility (All)

▼ CSS

**More about CSS...**

Completed Work

2008-04-11	Cascading Style Sheets (CSS1) Level 1 Specification	Recommendation
2000-11-13	Document Object Model (DOM) Level 2 Style Specification	Recommendation

Drafts

2009-12-15	Selectors Level 3	Proposed Recommendation Review ended: 2010-01-31
2002-11-07	CSS3 module: Lists	Working Draft
2002-11-07	CSS3 module: Border	Working Draft
2002-05-15	CSS3 module: line	Working Draft
2001-05-23	CSS3 introduction	Working Draft
2009-06-18	CSS Fonts Module Level 3	Working Draft
2009-12-15	A MathML for CSS Profile	Candidate Recommendation
2009-12-15	Selectors Level 3	Proposed Recommendation Review ended: 2010-01-31
2002-11-07	CSS3 module: Lists	Working Draft



# Does not validate +



## The W3C CSS Validation Service

W3C CSS Validator results for TextArea (CSS level 3)

Jump to: [Errors \(7\)](#) [Warnings \(1\)](#) [Validated CSS](#)

### W3C CSS Validator results for TextArea (CSS level 3)

#### Sorry! We found the following errors (7)

URI : TextArea

45	div, h1, h2, img, a	Property behavior doesn't exist : url(iepngfix.htc) url(iepngfix.htc)
291	#contentcolumn	Property -moz-border-radius doesn't exist : 20px 20px 0 0 20px 20px 0 0
292	#contentcolumn	Property -webkit-border-top-left-radius doesn't exist : 20px 20px
293	#contentcolumn	Property -webkit-border-top-right-radius doesn't exist : 20px 20px
294	#contentcolumn	Property -moz-box-shadow doesn't exist : 0 5px 20px rgba(0,0,0,0.6) 0 5px 20px rgba(0,0,0,0.6)
295	#contentcolumn	Property -webkit-box-shadow doesn't exist : 0 5px 20px rgba(0,0,0,0.6) 0 5px 20px rgba(0,0,0,0.6)
296	#contentcolumn	0 is not a box-shadow value : 0 5px 20px rgba(0,0,0,0.6) 0 5px 20px rgba(0,0,0,0.6)

# Code bloat =

## Ideally:

```
a.polaroid:active {
z-index: 999;
border-color: #6A6A6A;
box-shadow: 15px 15px 20px
  rgba(0,0, 0, 0.4);
transform: rotate(0deg)
  scale(1.05);
}
```

## Reality:

```
a.polaroid:active {
z-index: 999;
border-color: #6A6A6A;
-webkit-box-shadow: 15px
  15px 20px rgba(0,0, 0,
  0.4);
-moz-box-shadow: 15px 15px
  20px rgba(0,0, 0, 0.4);
box-shadow: 15px 15px 20px
  rgba(0,0, 0, 0.4);
-webkit-transform:
  rotate(0deg) scale(1.05);
-moz-transform:
  rotate(0deg) scale(1.05);
transform: rotate(0deg)
  scale(1.05);
}
```



*Oh My!*

Despite our most fervent wishes





Many users are still using older browsers

# Netscape® Navigator 4.04



NETSCAPE

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**“Do websites need to look exactly  
the same in every browser?”**



***NO!***



Happy end users



# A plan of action





# CSS3 Graceful Degradation: The Necessities



Which is better,  
Graceful Degradation or Progressive Enhancement?



*\* Please \**

Sites need be usable and look good to as many people as possible.



# Tools



# CSS3 Specifications

The CSS3 Specifications are THE resource for finding out the exact intended behavior and use of any given property.

[http://www.w3.org/standards/techs/css#w3c\\_all](http://www.w3.org/standards/techs/css#w3c_all)

## Completed Work

W3C Recommendations have been reviewed by W3C Members, by software developers, and by other W3C groups, and have passed through a rigorous editorial process. For more information about the W3C Recommendation process, see: [W3C Recommendation Process](#).

[Group Notes](#) are *not* standards and are not on the same level of W3C endorsement.

## Standards

2008-04-11

### Cascading Style Sheets, level 2 (CSS2) Specification

errata

A more recent draft may replace this Recommendation.

This specification defines "level 2" of CSS, which allows authors and users to attach style (e.g., fonts, spacing, and aural cues) to structured documents (e.g., HTML documents and

**NEW!**  
Developer Tools  
Send a url and get detailed reports

Top

CSS3 Properties

CSS3 Selectors

Web Applications

Embedded Content

Web Forms 2.0

# Browser Support Charts

MAC

WIN



CHROME

FIREFOX

OPERA

SAFARI

CHROME

FIREFOX

OPERA

SAFARI

IE

<http://www.findmebyip.com/litmus>

5

3.6

10.1

4

5

4

3.6

3

10

10.5

4

6

7

8

RGBA

HSLA

Multiple Backgrounds

Border Image

Border Radius

Box Shadow

Opacity

CSS Animations

CSS Columns

CSS Gradients

CSS Reflections



# Cross-browser testers

[http://tredosoft.com/Multiple\\_IE](http://tredosoft.com/Multiple_IE)



<http://crossbrowsertesting.com/> (paid)



<http://browsershots.org/> (free)



# Techniques

# The Goal



Code that displays well in all browsers

# However...

- Many properties are browser-specific, requiring vendor prefixes
- Plus there is a standard property
- There are syntax differences between browser-specific properties and the standard property
- All of this causes an increase in the amount of CSS
- Older IEs don't support CSS3 – need either filters or helper scripts

# Getting as close as possible

1. Use a reset
2. Leverage source order
3. Exercise multiplicity
4. Be conditional
5. Use a filter
6. Get (script) help
7. Be proactively defensive

# Level the Playing Field

A CSS reset insures that you are starting from a common base point in all browsers.

## Example:

```
html, body, div, span, applet, object, iframe, h1,  
  h2, h3, h4, h5, h6, p, blockquote, pre (etc){  
margin: 0;  
padding: 0;  
border: 0;  
outline: 0;  
font-size: 100%;  
vertical-align: baseline;  
background: transparent;  
}
```

# Resets

Eric Meyer's Reset:

<http://meyerweb.com/eric/tools/css/reset/>

Article on DIY resets by Jason Cranford

Teague: <http://bit.ly/1D4jSB>

# Leverage source order

- Place default properties first
- Place browser-specific properties ahead of standard properties
- The standard properties will override the vendor's when the standard is established.

# A Proper Stack

Example:

```
.gradient {
color: #fff;
background: #aaaaaa url(gradient_slice.jpg) 0 0 x-repeat;
  /*fallback background color & image*/
background-image: -moz-linear-gradient(top, #07407c,
  #aaaaaa); /* gradient for Mozilla */
background-image: -webkit-gradient(linear,left top,left
  bottom,color-stop(0, #07407c),color-stop(1, #aaaaaa));
  /* gradient for the Webkits */
-ms-filter:
  "progid:DXImageTransform.Microsoft.gradient(startColorSt
  r='#07407c', EndColorStr='#aaaaaa')";
  /* filter for IE8 (& IE9) */
filter:
  progid:DXImageTransform.Microsoft.gradient(startColorStr
  ='#07407c', EndColorStr='#aaaaaa');
} /* filter for IE7 and lower */
```

# Employ multiple stylesheets

Use multiple stylesheets to add layers of style complexity for multiple platforms

See:

<http://www.alistapart.com/articles/progressiveenhancementwithcss>

# Styling in multiples

Example:

```
@import 'reset.css';  
@import 'structure.css';  
@import 'typography.css';  
@import 'widgets.css';
```

# Establish Conditions

```
<!--[if gte IE 6]>  
<link href="ie_stylesheet.css"  
      rel="stylesheet">  
<![endif]-->
```

(place after the regular stylesheet link to override styles)

# Apply a Filter

- If you *must* have the effect in IE, such as alpha opacity, gradient, shadow, transitions etc. you could use a proprietary IE filter.

{Caveat Coder}

- IE filters work, but are essentially hacks
  - IE filters are proprietary and thus not part of any standard specification, and never will be

# Filters extensions

- The `-ms-filter` attribute is an extension to CSS. This syntax will allow other CSS parsers to skip the value of this unknown property completely and safely. It also avoids future name clashes with other CSS parsers.
- In Internet Explorer 8 mode, filters must be prefixed with `"-ms-"` and the PROGID must be in single or double quotes to make sure Internet Explorer 8 renders the filters properly.

# Get Script Help

There are several scripts, javascript libraries, and jquery scripts and plugins that will help older browsers mimic modern ones.

(several will be listed later)

# Defensive Coding for Older Browsers

Helps you to quickly and easily identify and solve problems when they come up

- Organize for easy reading and access
- Optimize for loading speed
- Build in bug fixes



# Dealing with the IEs

The older IEs DO NOT support CSS3.



...as in “at all.” Right. Enough said.

However, IE9 has fair support of CSS3





You still should show  
a little **Love**.

# Dealing with IE6 (Still? Yes, still.)

## Approaches:

- Kick it to the curb
- Exercise tolerance
- Full Respect: being graceful in your degradation

# IE6: Go home!



I can't believe you're related to that guy, IE7.

Yeah, you always break our coolest toys!

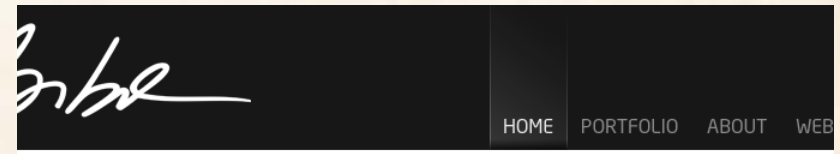
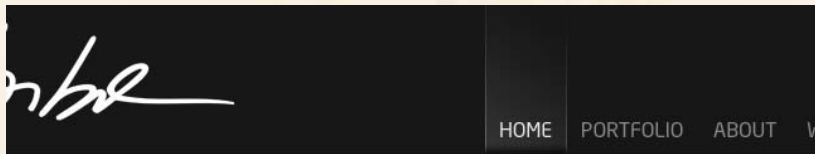
Don't remind me.

Go home, IE6!

HEY YOU GUYS!

How come you never let me play?

# You're using IE6? Yikes!



Paul Carbo. I am a full-time, freelance designer and developer specializing in creating websites from the comfort of my home office located in the Philadelphia area of artist at heart and a geek by nature and this site is a result of that.

*Need a new logo  
REQUEST A*

Paul Carbo. I am a full-time, freelance designer and developer specializing in creating websites from the comfort of my home office located in the Philadelphia area of artist at heart and a geek by nature and this site is a result of that.

Paul Carbo, containing over one hundred million websites, and due to the crazy workings of my mind, you're almost obligated to take advantage of this moment and stay a while.

*Need a new logo  
REQUEST A  
It's quick, free,*

In IE6


In modern browsers

# Stripped-Down Style

## Make Photoshop Faster

Follow @photoshopfaster on Twitter • Please tag this, it's good for you

Preferences • Performance • Cache Levels • 1



MB  
2211 MB  
MB (69%)

History & Cache  
History States: 20  
Cache Levels: 1

OK  
Cancel  
Prev  
Next

Preferences • File Handling • Image Previews • Never Save




Image Previews: Never Save  
 Icon  Full Size  
 Macintosh Thumbnail  
 Windows Thumbnail  
Append File Extension: Always  
 Use Lower Case

At least one satisfied customer had *this* to say (via direct message on twitter—who says DMs need to stay private?):

[@simmy](#) aka Ryan Sims aka Barry from the Bloc  
"I was bummed cuz I got a new MBP and it wasn't as fast as my old one... until I remembered your Pshop trickery. Now, my new one blazes. Thx!"

Our something to say? Tweet us

[@danrubin](#) aka Handsome Dan aka "The guy!"  
OR JUST SHOW YOUR APPRECIATION:  
FORK IT OVER VIA [PayPal](#)

Or just show your appreciation:  
[Fork it over via PayPal](#)

Yes, you too can enjoy this fabulous background image AKA wallpaper on your very own computer and/or mobile device (as long as it's an iPad/iPhone):

# MAKE PHOTOSHOP FASTER

Follow @photoshopfaster on Twitter • Please tag this, it's good for you

1 PREFERENCES • PERFORMANCE • CACHE LEVELS • 1



MB  
2211 MB  
MB (69%)

History & Cache  
History States: 20  
Cache Levels: 1

OK  
Cancel  
Prev  
Next

2 PREFERENCES • FILE HANDLING • IMAGE PREVIEWS • NEVER SAVE



Image Previews: Never Save  
 Icon  Full Size  
 Macintosh Thumbnail  
 Windows Thumbnail  
Append File Extension: Always  
 Use Lower Case

AT LEAST ONE SATISFIED CUSTOMER HAD THIS TO SAY (VIA DIRECT MESSAGE ON TWITTER—WHO SAYS DMs NEED TO STAY PRIVATE?):

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"I was bummed cuz I got a new MBP and it wasn't as fast as my old one... until I remembered your Pshop trickery. Now, my new one blazes. Thx!"

GOT SOMETHING TO SAY? TWEET US:  
[@danrubin](#) aka Handsome Dan aka "The guy!"  
OR JUST SHOW YOUR APPRECIATION:  
FORK IT OVER VIA [PayPal](#)

YES, YOU TOO CAN ENJOY THIS FABULOUS BACKGROUND IMAGE AKA WALLPAPER ON YOUR VERY OWN COMPUTER AND/OR MOBILE DEVICE (AS LONG AS IT'S AN IPAD/IPHONE):

			<b>With text</b> Wide screen (1900x1200) Standard (1280x1024)	<b>Sans text</b> Widescreen (1900x1200) Standard (1280x1024)			<b>iPad</b> With text (1024x1024) Sans text (1024x1024)	<b>iPhone</b> With text (960x640) Sans text (960x640)
--------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------	---------------------------------------------------------------------	--------------------------------------------------------------------	--------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------	---------------------------------------------------------------	-------------------------------------------------------------

GOOD! THIS SITE WAS NOTHING TO DO WITH AND HAS NOT & NEVER SHOULD EVER IN ANY WAY BY

THOUGH IT WAS, IN FACT, DESIGNED USING

[Ps](#) [i](#) [Ai](#) (see what I did there?)

In IE6

In modern browsers

# Universal IE CSS



## universal-ie6-css

One single universal CSS file for Internet Explorer 6 to use on every site

Search projects

[Project Home](#)

[Downloads](#)

[Wiki](#)

[Issues](#)

[Source](#)

[Summary](#) | [Updates](#) | [People](#)

### About

One, standard, universal stylesheet for Internet Explorer 6. Simply copy one of these Conditional Comments into the head of any web page and you're done.

**Tip:** To hide all your other stylesheets from Internet Explorer 6, wrap them inside this Conditional Comment.

```
<!--[if ! lte IE 6]><!-->
/* Stylesheets for browsers other than Internet Explorer 6 */
<!--<![endif]>>
```

Then add the Universal Internet Explorer 6 stylesheet.

```
<!--[if lte IE 6]>
<link rel="stylesheet" href="http://universal-ie6-css.googlecode.com/files/ie6.1.1.css" media="screen, projection">
<![endif]>>
```

If you prefer a light-on-dark version (inspired by Instapaper), use *this* instead.

```
<!--[if lte IE 6]>
<link rel="stylesheet" href="http://universal-ie6-css.googlecode.com/files/ie6.1.1b.css" media="screen, projection">
<![endif]>>
```

### Previous versions

1.0

```
<!--[if lte IE 6]>
<link rel="stylesheet" href="http://universal-ie6-css.googlecode.com/files/ie6.1.0.css" media="screen, projection">
<![endif]>>
```

★ Star this project

Activity: [Medium](#)

Code license:

[GNU General Public License v3](#)

External links:

[Original blog entry](#)

[Hardboiled Web Design](#)

Feeds:

[Project feeds](#)

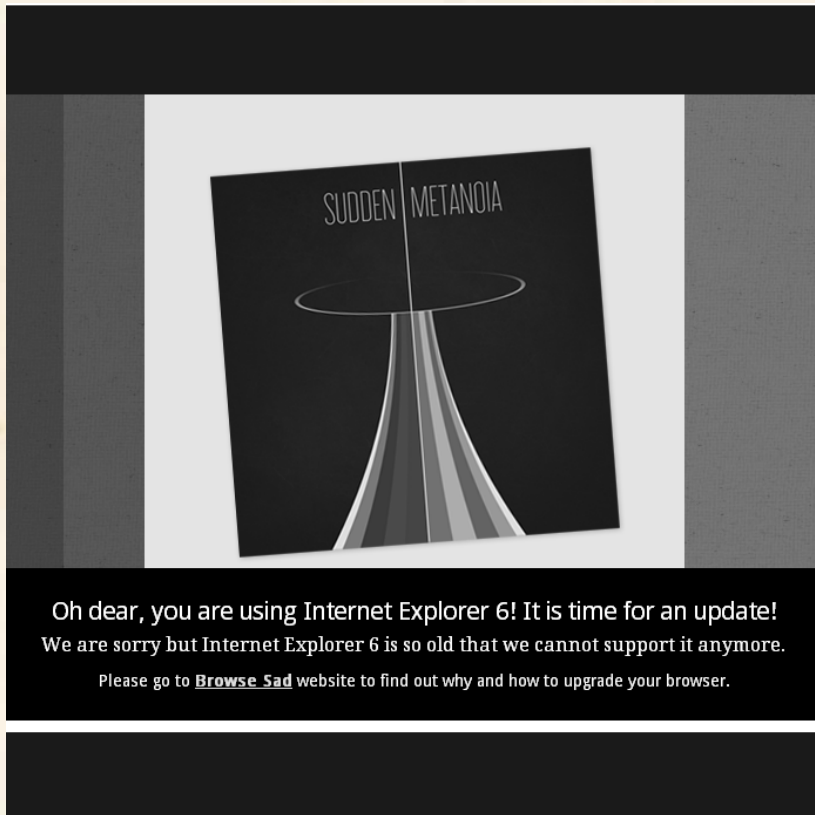
Owners:

[allthatmalarkey](#)

[People details »](#)

Universal IE6 stylesheet: <http://code.google.com/p/universal-ie6-css/>

# Make a suggestion



In IE6



In modern browsers

[http://yaronschoen.com/blog/sudden\\_metanoia](http://yaronschoen.com/blog/sudden_metanoia)

# BrowseSad

browse sad



## So my browser is outdated, right?

Well, a little bit, yes and it stops us, developers from using the latest technology to make the web better. It is also very unsafe.

It has been nearly 7 years since Internet Explorer 6 came out and still, people all around the world use it. There would not be a problem if it was not 7 years ago (yeah, right). Seriously, people. With IE7 available as a free update, it must be that awesome "look and feel" of it that keeps you both so

browse happy



## Browse Sad?

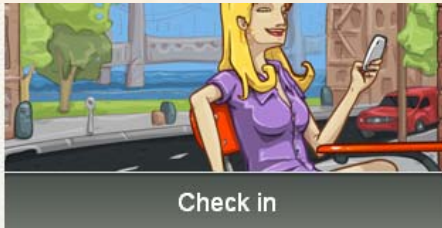
36  
diggs



Browse Sad is our last-resort try, some kind of a fight back for years of our hours spent on "debugging" IE6's CSS interpretation.

Over the years there have been hundreds of tries on IE6's life. Even Microsoft tried to kill it with their free update to IE7 (yes, it is free to install, even on illegal Windows machines). Neither has been

# Limit Your Support



Gowalla for iPad

Download the application it's free!



Get Gowalla for iPad from iTunes



Apple iPhone

Get from  
iTunes



ANDROID

Droid, Nexus, Dream

Get from  
Market



BlackBerry

Bold, Curve, Pearl

Download Beta



Palm Pre, Pre Plus, Pixi Plus

Get from  
Catalog

Discover new spots and trips around the world with our friends at:



University of Oklahoma



Vail Resorts



Austin 360



Scottsdale Arizona



NYC Media



Springfield Regional  
Arts Council

[Contact](#) [Blog](#) [Twitter](#) [API](#) [Help](#) [Jobs](#) [Terms](#) [Privacy](#)

Gowalla is designed and developed deep in the heart of Texas.

© 2010 GOWALLA INCORPORATED



# 'Nuff Respect

APoSD.gov

Search APoSD.gov

AGENCY FOR THE PREVENTION OF SPONTANEOUS DANCING

ABOUT POLICIES PROGRAMS NEWS GET INVOLVED CONTACT

## ABOUT US

### Who is APoSD?

The Agency for the Prevention of Spontaneous Dancing (APoSD) was created as a proactive national security measure in response to the tragic spontaneous train station dance in Liverpool in early 2009, the after-effects of which are still being felt to this day.

Because of the very serious threat that it poses, rather than being apposed, we are opposed to spontaneous dancing in any way, shape, or form.

### MISSION

To fearlessly provide the public the best prevention of spontaneous dancing that is humanly possible.

### GET THE FACTS

#### APoSD vs. SDs

Since our inception, we have prevented more than ten serious outbreaks of spontaneous dancing, and we project that our prevention rates will only grow in years to come.

Read more...

#### APoSD POLICY

### APoSD: Rising from the Ashes of Tragedy

Midmorning one day in January 2009, the Liverpool train station was overrun by a group of incognito dancers, who shocked the public with a flagrant display of spirted funky dance moves to catchy popular tunes. Since this incident, spontaneous dancing has exploded worldwide, with brief surprise takeovers of stores, public squares, parks, train stations, and other public gathering places.

We at APoSD believe that dancing is serious business. Shaking your groove thing is fine every once in a while, but it must be done when everyone knows it is going to happen at pre-determined times. There is true danger in unexpectedly having a ridiculous amount of fun.

We have gathered together a team of rigorously trained elite agents who are the product of a highly competitive selection process. We have the resources and the commitment at APoSD to keep dancing controlled and in its rightful place.

#### List of Mandated Dancing Circumstances

##### Sanctioned

- Performances: musicals, ballet, contemporary, jazz, ethnic
- Dance classes, troupes, parties, clubs
- Chaedleading squads, drill teams, dance teams, and soid and

APoSD.gov

Search APoSD.gov

AGENCY FOR THE PREVENTION OF SPONTANEOUS DANCING

ABOUT POLICIES PROGRAMS NEWS GET INVOLVED CONTACT

## ABOUT US

### Who is APoSD?

The Agency for the Prevention of Spontaneous Dancing (APoSD) was created as a proactive national security measure in response to the tragic spontaneous train station dance in Liverpool in early 2009, the after-effects of which are still being felt to this day.

Because of the very serious threat that it poses, rather than being apposed, we are opposed to spontaneous dancing in any way, shape, or form.

### MISSION

To fearlessly provide the public the best prevention of spontaneous dancing that is humanly possible.

### GET THE FACTS

#### APoSD vs. SDs

Since our inception, we have prevented more than ten serious outbreaks of spontaneous dancing, and we project that our prevention rates will only grow in years to come.

Read more...

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- Dance classes, troupes, parties, clubs

In IE6

In modern browsers



# 10 CSS3 Properties with Graceful Degradation Fallbacks

(You may want to testify afterwards)





@font-face

# @font-face



**SICK**  
designer

THE SICKNESS IS SPREADING

**TWEET TWEET**

All hail the mighty @Encosia and the invaluable help he provided in making Wordpress behave. jQuery strikes again! # 2 hours ago

Follow the sickness

Get your d  
pop: Part  
& Patterns

May 1, 2010  
by Liviu Dobre

You kno

The graphic design advertisement features a dark, textured background with a red and black color scheme. It includes a syringe icon, a bird, and a hand-drawn arrow pointing to the text 'Follow the sickness'. The text is arranged in a vertical layout, with the main title 'SICK designer' at the top, followed by the tagline 'THE SICKNESS IS SPREADING', the 'TWEET TWEET' text, and a paragraph of text. The bottom section contains the date 'May 1, 2010', the author 'by Liviu Dobre', and the start of another line 'You kno'.

# @font-face

- Note:
  - Actually part of the CSS2.1 specification.
  - Therefore, the IEs do support it!
- Browser Support
  - However, the older IEs require fonts to be in EOT format
  - IE9 now supports WOFF!

# @font-face

- Tips & issues
  - Potential font license restrictions
  - Flash of unstyled text (fout)

# @font-face bug: IE

@font-face super bullet-proofing

The problem:

@font-face doesn't work, even with the proper normal syntax. What gives?

The solution:

Separate out the .eot call with a new @font-face declaration.

# Graceful degradation: @font-face

- Desired font should display in all browsers. If not, fallback fonts will display
- Extra credit: image replacement through conditional comments

# @font-face bullet-proofing

```
@font-face {  
font-family: 'Graublau Web';  
src: url('GraublauWeb.eot');  
}
```

```
@font-face {  
font-family: 'Graublau Web';  
src: local('☺'), url('GraublauWeb.woff')  
    format('woff'), url('GraublauWeb.ttf')  
    format('truetype');  
}
```

# @font-face bug: Webkit

@font-face bold and italics “bug”

The problem:

Applying `font-weight:bold` or `font-style:italic` to @font-face'd text doesn't work.

The solution:

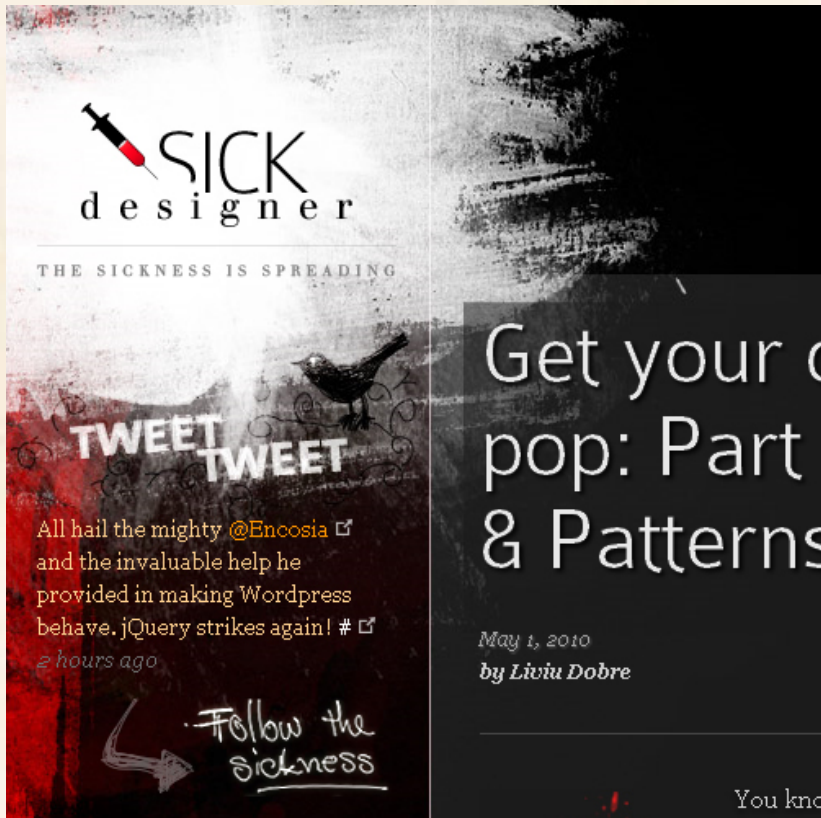
Add the value `normal` to font weight, style, and variant in the @font-face declaration to set a baseline.

# @font-face with faux variations

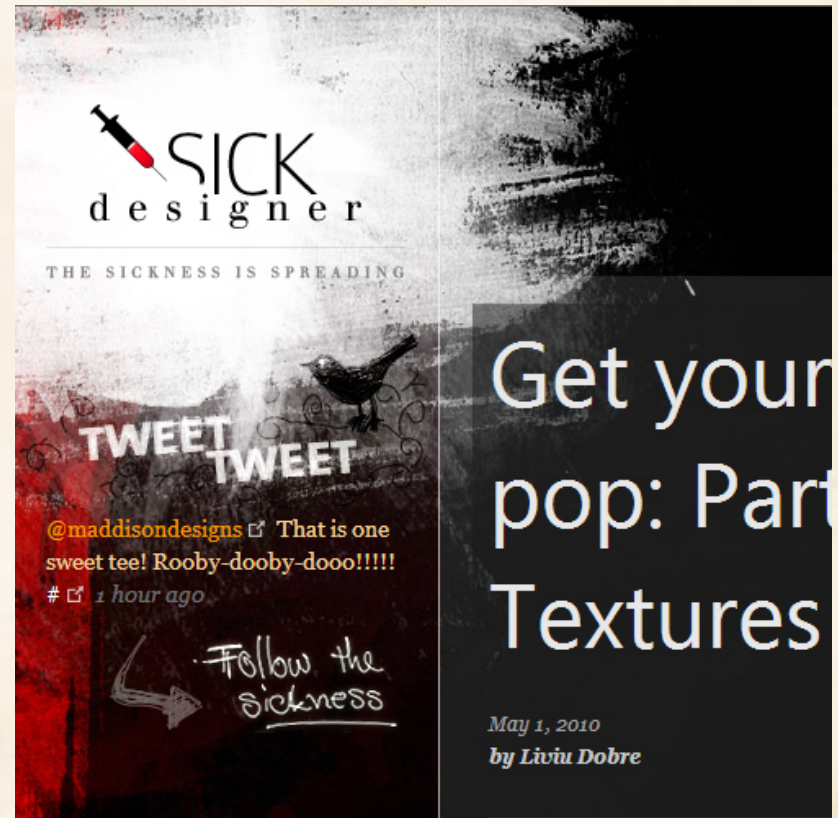
Example:

```
@font-face {  
font-family: 'Graublau Web';  
src: url('GraublauWeb.eot');  
src: local('☺'), url('GraublauWeb.woff')  
    format('woff'), url('GraublauWeb.ttf')  
    format('truetype');  
font-weight:normal;  
font-style:normal;  
font-variant:normal;  
}
```

# Graceful degradation: @font-face



In modern browsers



In IE 8: fallback font

# Full solution: @font-face

```
@font-face {  
font-family: 'Colaborate Light';  
src: url('ColabLig.eot');  
font-weight:normal;  
font-style:normal;  
font-variant:normal;  
}
```

```
@font-face {  
font-family: 'Colaborate Light';  
src: local('☺'), url('ColabLig.woff')  
    format('woff'), url('ColabLig.ttf')  
    format('truetype');  
font-weight:normal;  
font-style:normal;  
font-variant:normal;  
}
```



**border-radius**

# border-radius



hai  
om

Call(s).  
oh-hai.com provides a regular dose of exactly what you want: sophisticated LOLcats alongside fabulous, well-designed posts that fit you and your kitty's modern lifestyle.

Toggle language

### Dose du Jour

**Deese cheezburgers loks funneh**  
3 May

deese cheezburgers loks funneh

Rate it: ★★★★★ Favorite?

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# border-radius

- Tips & issues
  - Different syntax for mozilla, webkit, and opera browsers
- Browser Support
  - IE does not support, Opera: 10.5 only

# border-radius

Syntax comparison breakdown:

- -moz allows multiple values for each position
- -webkit individual values
- Standard is like mozilla

# border-radius syntax

## Border-radius Syntax Comparison Cheatsheet

syntax components	<code>&lt;prefix&gt; &lt;what1&gt; &lt;what2&gt; &lt;position1&gt; &lt;position2&gt; &lt;value&gt;</code>
webkit syntax	<code>-&lt;prefix&gt;-&lt;what1&gt;-&lt;position1&gt;-&lt;position2&gt;-&lt;what2&gt;: &lt;value&gt;;</code> <code>-webkit-border-top-left-radius: 23px;</code>
mozilla syntax	<code>-&lt;prefix&gt;-&lt;what1&gt;-&lt;what2&gt;-&lt;position1&gt;&lt;position2&gt;: &lt;value&gt;;</code> <code>-moz-border-radius-topleft: 23px;</code>

# border-radius

```
#contentcolumn {  
-moz-border-radius: 20px 20px 0 0;  
-webkit-border-top-left-radius: 20px;  
-webkit-border-top-right-radius:  
    20px;  
border-radius: 20px 20px 0 0;  
}
```

# Graceful Degradation: border-radius

- Square corners are okay
- Extra credit: serve images through conditional comments


# Graceful Degradation: border-radius

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Dose du Jour

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3 May



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loks funneh

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3 May



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In IE 7, image replacement  
through conditional comments

# Graceful Degradation: border-radius


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## Dose du Jour

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## Dose du Jour

**Deese cheezburgers loks funneh**  
3 May



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atch

In modern browsers

In IE 6, no image replacement

# Full solution: border-radius

```
#contentcolumn {  
  margin: -40px 3% 0 3%;  
  width: 42%;  
  -moz-border-radius: 20px 20px 0 0;  
  -webkit-border-top-left-radius: 20px;  
  -webkit-border-top-right-radius: 20px;  
  -moz-box-shadow: 0 5px 20px  
  rgba(0,0,0,0.6);  
  -webkit-box-shadow: 0 5px 20px  
  rgba(0,0,0,0.6);  
  box-shadow: 0 5px 20px rgba(0,0,0,0.6);  
}
```

# Full solution: border-radius

Conditional Comment:

```
<!--[if gte IE 6]>  
<link rel="stylesheet" type="text/css" href="ohhai_ie78.css"  
  />  
<![endif]-->
```

IE7/8 CSS

```
#contentcolumn {  
background: url(bg_content_left.png) top left no-repeat;  
display: inline;  
margin: -40px 3% 0 3%;  
padding: 0 0 0 0;  
width: 41.9%;  
}
```

```
#content {  
background: url(bg_content_right.png) top right no-repeat;  
margin: 7px auto 0 26px;  
padding: 0 0 50px 0;  
}
```

# Full solution: border-radius

Conditional Comment:

```
<!--[if lte IE 6]>  
<link rel="stylesheet" type="text/css"  
  href="ohhai_ie6.css" />  
<![endif]-->
```

IE6 CSS

```
#contentcolumn {  
background: transparent url(bg_content_left_nds.gif) top  
  left no-repeat;  
margin: -40px 3% 0 3%;  
width: 41.9%;}
```

```
#content {  
background: transparent url(bg_content_right_nds.gif) top  
  right no-repeat;  
margin: 0 -5px 0 17px;  
padding: 0 0 0 8px;  
}
```



opacity

# opacity



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ABOUT  
some back

Featured post from May 10, 2010

## Redesigning TouringPlans.com

A really fun project for some great people.

... G — from TV

@themorris  
an hour ago

@hwork tha

... only march I was contacted by the great folks from [TouringPlans.com](http://TouringPlans.com)

# opacity

- Tips & issues
  - Do not use on elements that would cover important content
- Browser Support
  - IE does not support

# opacity

```
#feature-meta {  
background:none repeat scroll 0 0  
#3C4C55;  
opacity:0.85;  
}
```

# Graceful degradation: opacity

- Accept that effect will not work in non-supportive browsers
- Could use a IE filter if absolutely necessary.

# Graceful degradation: opacity

WORK past projects    WEBLOG my writings    SHOP stuff to buy    ABOUT some back



Redesigning TouringPlans.com  
early march I was contacted by the great folks from TouringPlans.com

In modern browsers

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Redesigning TouringPlans.com  
early march I was contacted by the great folks from TouringPlans.com

In IE7, no opacity

# Full solution: opacity

```
.opacity {
background-color: #3C4C55;
color: #fff;
opacity: 0.5;
-ms-filter:
    "progid:DXImageTransform.Microsoft.Alpha
    (opacity=20)";
/* IE8 only */
filter:
    progid:DXImageTransform.Microsoft.Alpha
    (opacity=20);
/* IE6, IE7, and IE8 */
filter: alpha(opacity=20);
}
```



rgba

# rgba



aaron walter

Designer



MailChimp

# rgba

- Tips & issues
  - More granular control of particular elements than opacity
- Browser Support
  - IE does not support

# Graceful degradation: rgba

- Place after regular rgb color property to override in modern browsers; older browsers will ignore it
- IE bug: use the property `background` instead of `background-color` for the regular color
- There is an IE filter that will give transparency with a color.
- Use a png for fallback if desired

# Graceful degradation: rgba



aarron walter

Designer



In modern browsers



aarron walter

Designer



In IE 7, no rgba

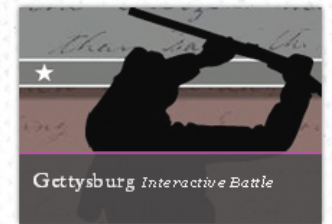
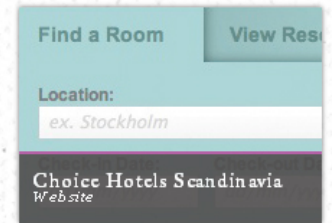
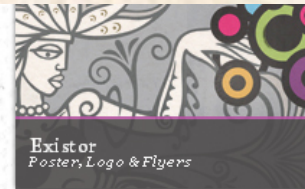
# Full solution: rgba

```
.rgba {  
background-color: #ff0000; /* fallback color in  
    hexadecimal. */  
background-color: transparent; /* transparent is  
    key for the filter to work in IE8. best done  
    through conditional comments */  
background-color: rgba(255, 0, 0, 0.3);  
-ms-filter:  
    "progid:DXImageTransform.Microsoft.gradient(start  
    tColorstr=#4CFF0000, endColorstr=#4CFF0000)";  
/* filter for IE8 */  
filter:  
    progid:DXImageTransform.Microsoft.gradient(start  
    Colorstr=#4CFF0000, endColorstr=#4CFF0000);  
/* filter for older IEs */  
}
```



**box-shadow**

# box-shadow



# box-shadow

- Tips & issues
  - Different syntax for mozilla, webkit, and opera browsers
- Browser Support
  - IE does not support, Opera only 10.5

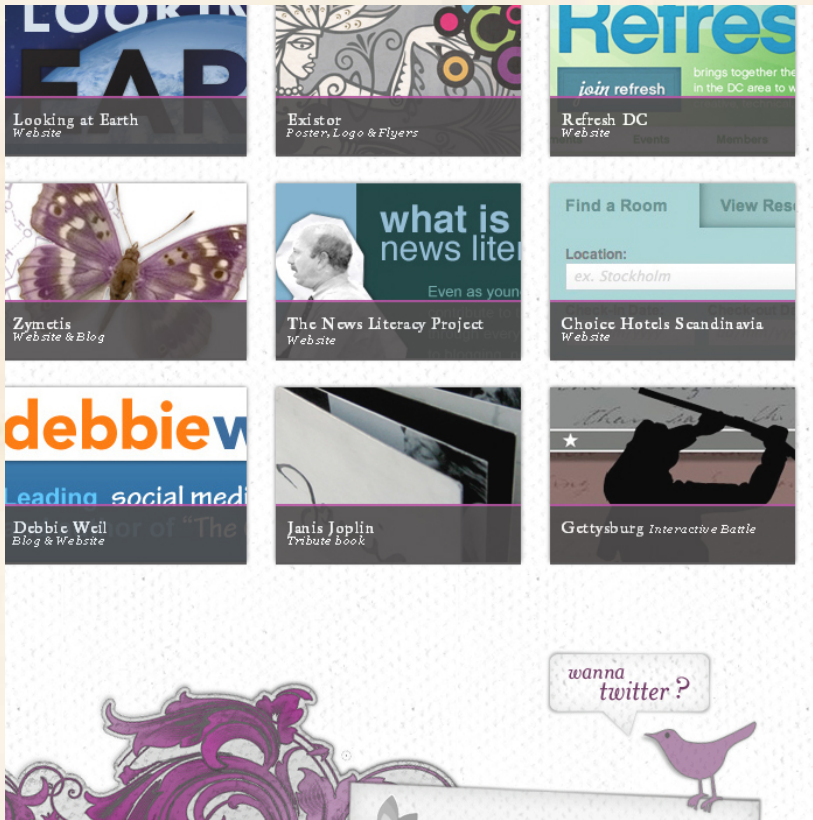
# box-shadow

```
.portfolio {  
-moz-box-shadow: 0 5px 20px  
  rgba(0,0,0,0.6);  
-webkit-box-shadow: 0 5px 20px  
  rgba(0,0,0,0.6);  
box-shadow: 0 5px 20px  
  rgba(0,0,0,0.6);  
}
```

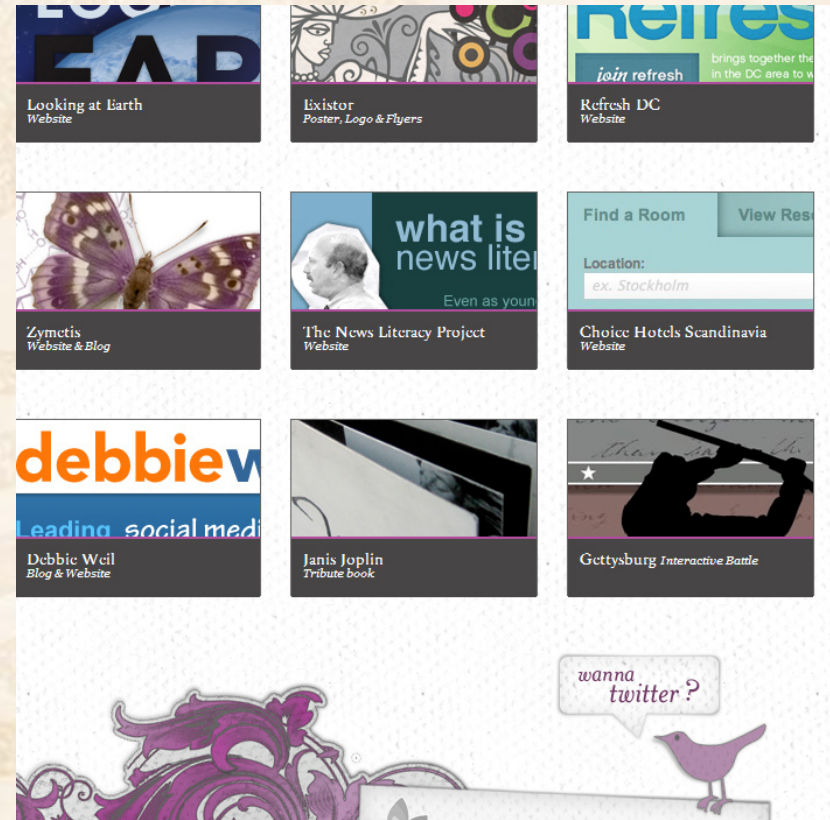
# Graceful degradation: box-shadow

- Okay if users don't see effect, doesn't affect usability of the page.
- However, there is a filter for IE: shadow (actually there are 2: dropshadow as well, but shadow is said to be better)
- Extra credit: serve images through conditional comments if you didn't want to use the filter.

# Graceful degradation: box-shadow



In modern browsers



In IE 7, sans box shadow

# Full solution: box-shadow

```
.boxshadow {  
-moz-box-shadow: 3px 3px 10px #333;  
-webkit-box-shadow: 3px 3px 10px #333;  
box-shadow: 3px 3px 10px #333; /*standard*/  
-ms-filter:  
    "progid:DXImageTransform.Microsoft.Shadow(  
    Strength=4, Direction=135,  
    Color='#333333')"; /* For IE 8 */  
filter:  
    progid:DXImageTransform.Microsoft.Shadow(S  
    trength=4, Direction=135,  
    Color='#333333'); /* For IE 5.5 - 7 */  
}
```



text-shadow

# text-shadow



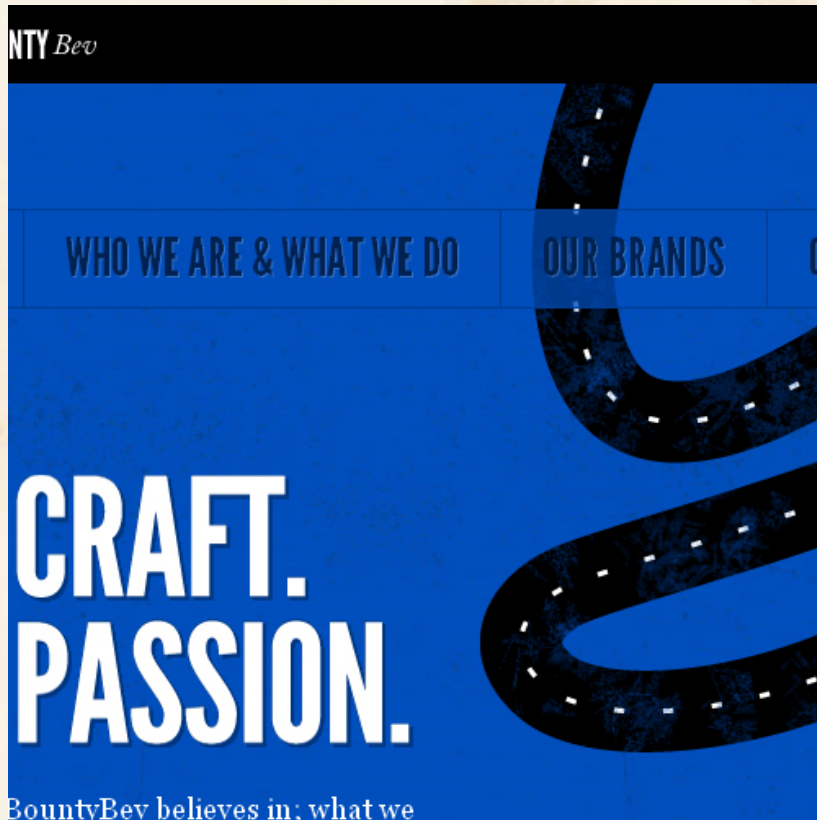
# text-shadow

- Tips & issues
  - Can help accentuate text and improve readability and visual importance
- Browser Support
  - IE does not support, but you could use a ie filter

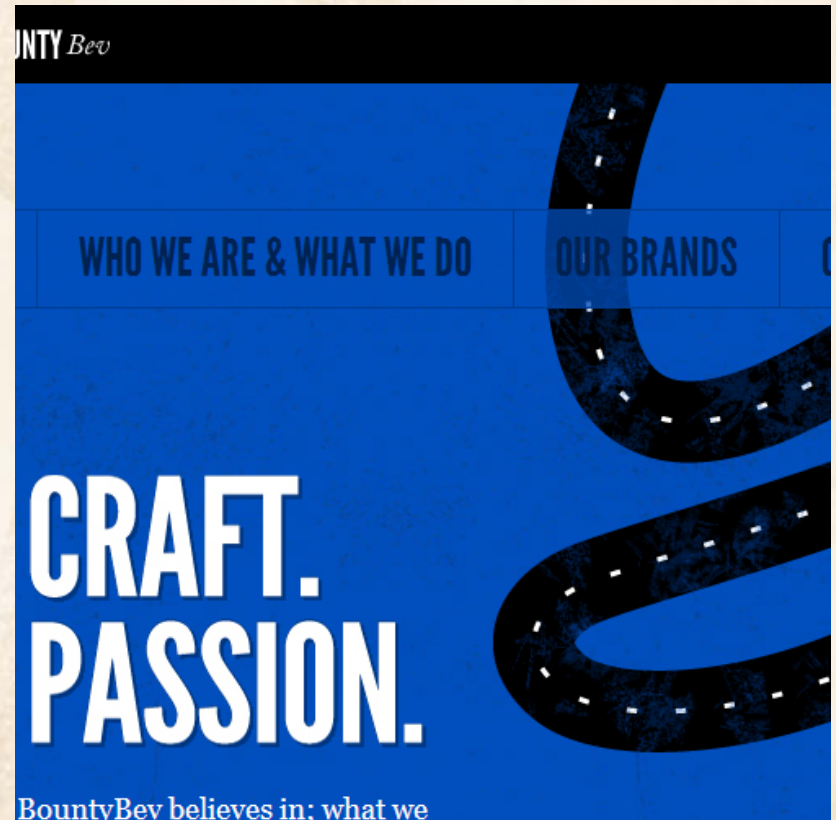
# Graceful degradation: text-shadow

- If it doesn't show up, that's okay
  - No impact on accessibility
- However, there is an IE filter: shadow.
- Extra credit: image replacement

# Graceful degradation: text-shadow



In modern browsers



In IE 7 without text shadow

# Full solution: text-shadow

```
.textshadow h2 {
text-shadow:1px 1px 2px rgba(48,80,82,0.8);
-ms-filter:
  "progid:DXImageTransform.Microsoft.Shadow(
  Strength=2, Direction=135,
  Color='#305052')";
/* For IE 8/9 */
filter:
  progid:DXImageTransform.Microsoft.Shadow(S
  trength=2, Direction=135,
  Color='#305052');
}
/* For IE 5.5 - 7 */
```



gradient

# gradient



djay

about

work

appearance



## The Mind of Raymond Jay

Professor. Sociologist.  
Philosopher. Pundit. Poet.  
Inspired Essayist. MacArthur  
Genius Award recipient.

Raymond Jay's work spans the  
gamut of disciplines and forces  
readers to challenge their  
perceptions and beliefs about the  
world and their place in it.

read more

# gradient

- Tips & issues

- Different syntax for mozilla and webkit browsers

- Browser Support

- IE and Opera do not support, so will still need a fallback image\*

\*which may make you think “then why use it at all?”

# gradient

```
#mainnav li a {  
background-color: #f7f6f4;  
background-image: url(bg_navitems.gif);  
background-image:  
    -moz-linear-gradient(100% 100% 90deg,  
        #ccc9ba, #ffffff);  
background-image:  
    -webkit-gradient(linear, 0% 0%, 0% 100%,  
        from(#ffffff), to(#ccc9ba));  
}
```

# Gradient: Syntax breakdown

## Gradient Syntax Comparison Cheatsheet

syntax components	<code>&lt;prefix&gt; &lt;what&gt; &lt;type&gt; &lt;point1&gt; &lt;point2&gt; &lt;angle&gt; &lt;stop1&gt; &lt;stop2&gt;</code> <p>h position, v position</p> <p>color, % or length % or length, color</p>
webkit syntax	<code>-&lt;prefix&gt;-&lt;what&gt;(&lt;type&gt;, &lt;point1&gt;, &lt;point2&gt;, from(&lt;stop1&gt;), to(&lt;stop2&gt;))</code> <code>-webkit-gradient(linear, 0 0, 0 100%, from(#ffffff), to(#777777));</code>
mozilla syntax	<code>-&lt;prefix&gt;-&lt;type&gt;-&lt;what&gt;(&lt;point1&gt;, &lt;angle&gt;, &lt;stop1&gt;, &lt;stop2&gt;)</code> <code>-moz-linear-gradient(top, #ffffff, #777777);</code>

# Graceful degradation: gradient

- Gradient will not appear older browsers
- Establish fallback background image first in code

# Graceful degradation: gradient

djay

about

work

appearances



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readers to challenge their  
perceptions and beliefs about the  
world and their place in it.

[read more](#)

In modern browsers

In IE, with fallback image & conditional  
comment for rounded corners

# gradient: Full solution

```
.gradient {
color: #fff;
background: #aaaaaa url(gradient_slice.jpg) 0 0 x-
  repeat; /*background color matches one of the stop
  colors. The gradient_slice.jpg is 1px wide */
background-image: -moz-linear-gradient(top, #07407c,
  #aaaaaa);
background-image: -webkit-gradient(linear,left top,left
  bottom,color-stop(0, #07407c),color-stop(1,
  #aaaaaa));
-ms-filter:
  "progid:DXImageTransform.Microsoft.gradient(startColor
  rStr='#07407c', EndColorStr='#aaaaaa')";
  /* IE8+ */
filter:
  progid:DXImageTransform.Microsoft.gradient(startColor
  Str='#07407c', EndColorStr='#aaaaaa');
  /* IE7- */
}
```



multiple  
backgrounds

# multiple backgrounds



## Stunning CSS3: A Project-based Guide to the Latest in CSS

FALL  
2010

A new book by Zoe Mickley Gillenwater,  
published by New Riders

You'll find out how you can—and should—use CSS3 right now  
in your web site designs, by working through a series of  
practical yet eye-catching examples.

### Learn about:

- ✓ which pieces of CSS3 have the best browser support
- ✓ how to provide workarounds and fallbacks for older browsers
- ✓ how CSS3 can improve your page load speeds and decrease your development time
- ✓ how to create beautiful visual effects like letterpress text, rounded corners, and gradients, all without using any images
- ✓ advanced new selectors to streamline your code
- ✓ how to create smooth transitions and even animation without Flash or JavaScript
- ✓ how to embed non-standard fonts into your pages to create beautiful and unique web typography

### Find out when it's released

Add your email and we'll shoot you a note when the book is  
available. We won't use your email for anything else. Promise.

Email:

### More about Zoe

Zoe Mickley Gillenwater is a freelance graphic and web designer.

# Multiple backgrounds

```
body {
background-color: #5ABBCF;
background: #5ABBCF url(..../images/bokeh1.png) no-
repeat; /* fallback image */
background: url(..../images/bokeh4.png) no-repeat,
url(..../images/bokeh3.png) no-repeat 10% 0,
url(..../images/bokeh2.png) no-repeat 20% 0,
url(..../images/bokeh1.png) no-repeat,
url(..../images/glow.png) no-repeat 90% 0,
-moz-linear-gradient(0% 90% 90deg,#5ABBCF,
#95E0EF);
background:
url(..../images/bokeh4.png) no-repeat,
url(..../images/bokeh3.png) no-repeat 10% 0,
url(..../images/bokeh2.png) no-repeat 20% 0,
url(..../images/bokeh1.png) no-repeat,
url(..../images/glow.png) no-repeat 90% 0,
-webkit-gradient(linear, 0% 0%, 0% 90%,
from(#95E0EF), to(#5ABBCF));}
```

# Graceful degradation: multiple backgrounds

**Stunning CSS3:**  
**A Project-based Guide to the Latest in CSS**

**FALL 2010**

A new book by Zoe Mickley Gillenwater, published by New Riders

You'll find out how you can—and should—use CSS3 right now in your web site designs, by working through a series of practical yet eye-catching examples.

**Learn about:**

- ✓ which pieces of CSS3 have the best browser support
- ✓ how to provide workarounds and fallbacks for older browsers
- ✓ how CSS3 can improve your page load speeds and decrease your development time
- ✓ how to create beautiful visual effects like letterpress text, rounded corners, and gradients, all without using any images
- ✓ advanced new selectors to streamline your code
- ✓ how to create smooth transitions and even animation without Flash or JavaScript
- ✓ how to embed non-standard fonts into your pages to create beautiful and unique web typography

**Find out when it's released**  
Add your email and we'll shoot you a note when the book is available. We won't use your email for anything else. Promise.

Email:

**More about Zoe**  
Zoe Mickley Gillenwater is a freelance graphic and web designer.

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Email:

In modern browsers

In IE 6 without additional backgrounds



multiple  
columns

# multiple text columns



yaili.

HANDMADE WEB DESIGN

Abo

Hi! My name is Inayaili de León and I'm a web designer. That means I make websites both beautiful and easy to use—I can make a lot of an orphous content look clean and easy to understand.

I also take a lot of pleasure in coding mine and other people's designs to make them work online.

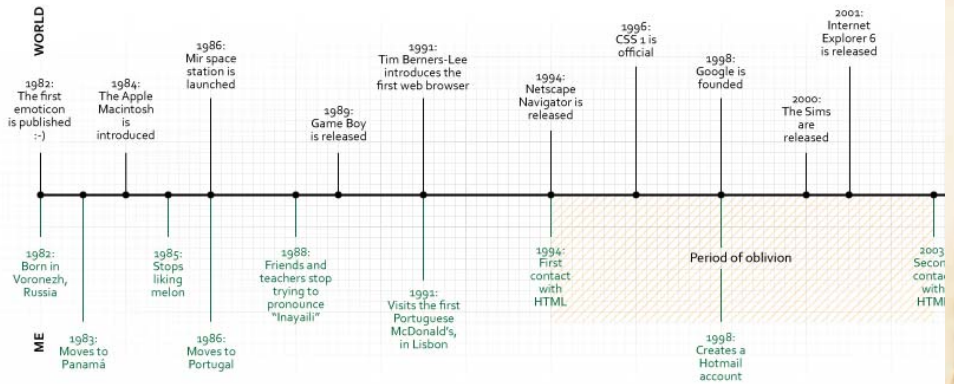
I live and work in London—the most beautiful city in the world—, at [Canonical](#) (the company that delivers Ubuntu).

I'm Portuguese; I speak Portuguese, Spanish, English and try really hard to understand French and Italian.

I like cats. And chocolate.

Tweeted, about 1 hour ago: OH: "Jack Osborne is great. Let's get him some shoes." Follow me on Twitter →

## A brief visual biography



# Multiple text columns

## Tips & Issues:

- The properties are not widely supported, and most of the related (like dividers, breakers, etc) haven't been implemented or aren't supported yet either.

# Multiple text columns

You can have one div containing a number of paragraphs, with no float or height manipulations.

Example:

```
div.three-col {  
-webkit-column-count: 3;  
-webkit-column-gap: 15px;  
-moz-column-count: 3;  
-moz-column-gap: 15px;  
}
```

# Graceful degradation: multiple columns

yaili.

HANDMADE WEB DESIGN

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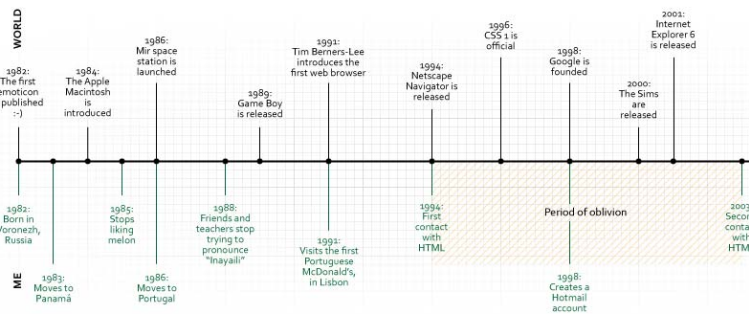
I live and work in London—the most beautiful city in the world—, at [Canonical](#) (the company that delivers Ubuntu).

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## A brief visual biography



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I also take a lot of pleasure in coding mine and other people's designs to make them work online.

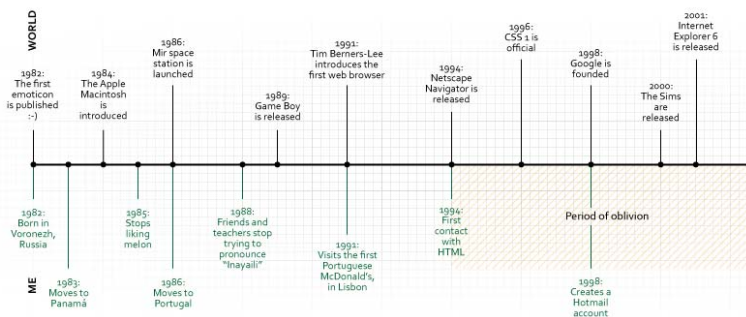
I live and work in London—the most beautiful city in the world—, at [Canonical](#) (the company that delivers Ubuntu).

I'm Portuguese; I speak Portuguese, Spanish, English and try really hard to understand French and Italian.

I like cats. And chocolate.

Tweeted, 15 minutes ago: Made it, you can all relax! So happy to see @itsdavidhughes and @stuartgibson :) Follow me

## A brief visual biography



In modern browsers

In IE 6 without additional columns



transform

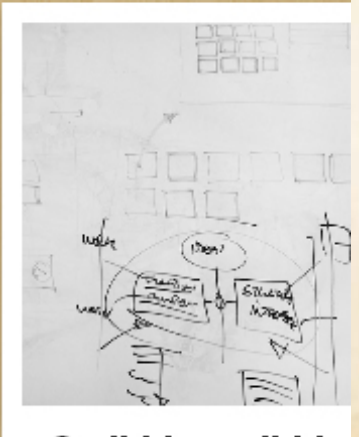
# transform (2d)



Roeland!



Discussion



# 2D Transformations

## 1. transform

- rotate
- scale
- skew
- translate
- matrix

# transform

- Tips & issues
  - Mozilla, webkit, and opera vendor prefixes; no standard yet.
- Browser Support
  - IE does not support, Opera 10.5 only

# transform/rotate: Syntax breakdown

The generic syntax for transform is

```
<-prefix->transform: type(<value>)  
    type(<value>) type(<value>) type(<value>);
```

For rotate specifically, here is the syntax:

```
<-prefix->transform: rotate(<value>)
```

Positive values will rotate the object clockwise to the right, and negative values will rotate the element counter-clockwise to the left.

# transform: rotate

```
#photos img {  
-webkit-transform: rotate(-2deg);  
-moz-transform: rotate(-2deg);  
-o-transform: rotate(-2deg);  
}
```

# Transform: graceful degradation

- Leave images/elements in standard orientation or shape
- There is an IE filter: matrix.
- Extra credit: serve images or image sprites with conditional comments

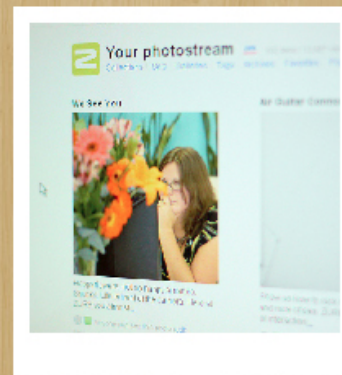
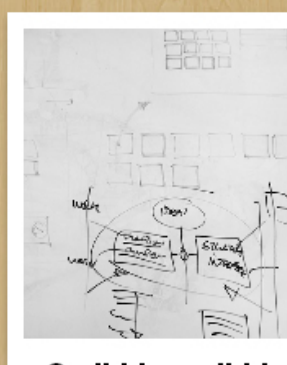
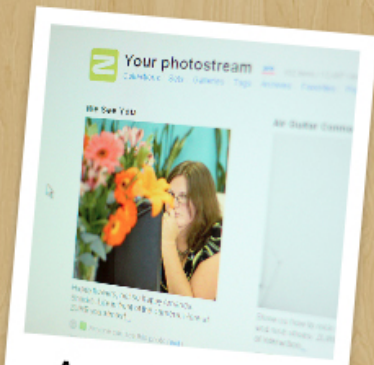
# Transform: graceful degradation



Roeland!



Discussion



In modern browsers

In IE 7 without transform



# Useful Tools

Let the tools do the heavy lifting





# CSS3 Generators

# CSS3Please.com

```
/* -----  
CSS3, Please! The Cross-Browser CSS3 Rule Generator  
-----  
  
You can edit the underlined values in this css file,  
but don't worry about making sure the corresponding  
values match, that's all done automagically for you.  
  
Whenever you want, you can copy the whole or part of  
this page and paste it into your own stylesheet.  
----- */  
  
/* [to clipboard] [toggle rule off] */  
.box_round {  
  -moz-border-radius: 12px; /* FF1+ */  
  -webkit-border-radius: 12px; /* Saf3-4 */  
  border-radius: 12px; /* Opera 10.5, IE 9, Saf5, Chrome */  
}  
  
/* [to clipboard] [toggle rule off] */  
.box_shadow {  
  -moz-box-shadow: 0px 0px 4px #ffffff; /* FF3.5+ */  
  -webkit-box-shadow: 0px 0px 4px #ffffff; /* Saf3.0+, Chrome */  
  box-shadow: 0px 0px 4px #ffffff; /* Opera 10.5, IE 9 */  
}  
  
/* [to clipboard] [toggle rule off] */  
.box_gradient {  
  background-color: #444444;  
  background-image: -moz-linear-gradient(top, #444444, #999999); /* FF3.6+ */
```

CSS3, please!

This element will receive  
inline changes as you edit the  
CSS rules on the left. Enjoy!

CSS3Generator.com

# CSS3 Generator<sup>v1.7</sup>

Choose Something



[Randy Jensen](#) | [@randyjensen](#) | [Chrome](#)

# CSS3-Maker.com

CSS 3.0 MAKER

CSS Gallery

Home Border Radius Gradient CSS Transform CSS Animation CSS Transition RGBA Text Shadow Box Shadow Text Rotation @Font Face

### CSS3 Styles

Border Radius

Style:

Width: 5px

Radius: 5px

Color:

### CSS3 Preview Area

Border Radius

### CSS3 Codeview

```
border:dashed 5px #191919;
-moz-border-radius: 5px;
-webkit-border-radius: 5px;
border-radius: 5px;
```

Download

### Sponsored By



www.htmlgenerator.com | www.onlycssmenu.com

### Border-Radius Browser Compatibility

 3.5+	 9+	 3.0+	 10.5+	 4.1+
--------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------

### Border-Radius Mobile Compatibility

 BlackBerry 6+	 iOS 1.0+
---------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------

### Your Suggestion

Name

Email

Suggestion

Submit

# CSS3 Tools at WestCiv

Style Master   Tools   Linear Gradients   Radial Gradients   Text Properties   Box Properties   Transforms   CSS3 Details

Basics

text color

background color

text-size

stroke

width

stroke color

fill color

shadow

h offset

v offset

blur





shadow color

The code

```
background-color: #FFFFFF; color: #666666; -webkit-stroke-width: 1.0px; -webkit-stroke-color: #000000; -webkit-fill-color: #FFFFFF; text-shadow: 2px 2px 2px #333333;
```

Preview

Preview text

 follow me on twitter    buy the book    take the course    attend the conferences

# More Generators

<http://www.fontsquirrel.com/fontface>

<http://border-radius.com/>

<http://www.colorzilla.com/gradient-editor/>

<http://csscorners.com/>

<http://border-image.com>



# Helper Scripts

# Modernizr.com

[Home](#)[News](#)[Docs](#)[Sites](#)

## Latest release:

**1.6**

OCTOBER 25: Version 1.6 adds more feature tests, improved browser compatibility and fixes several issues.

[Latest news](#) | [Release notes](#)

## What is Modernizr?

Modernizr adds classes to the `<html>` element which allow you to target specific browser functionality in your stylesheet. You don't actually need to write any Javascript to use it.

Have you ever wanted to do if-statements in your CSS for the availability of cool features like `border-radius`? Well, with **Modernizr** you can accomplish just that! The syntax is very intuitive, too:

```
.multiplebgs div p {  
  /* properties for browsers that  
   support multiple backgrounds */  
}  
.no-multiplebgs div p {  
  /* optional fallback properties
```

## Modernizr detects support for:

@font-face ✓	Geolocation API ✓
Canvas ✓	localStorage ✓
Canvas Text ✓	sessionStorage ✓
HTML5 Audio ✓	SVG ✓
HTML5 Video ✓	SMIL
rgba() ✓	SVG Clipping ✓
hsla() ✓	Inline SVG
border-image: ✓	Drag and Drop ✓
border-radius: ✓	hashchange ✓
box-shadow: ✓	X-window Messaging ✓
text-shadow: ✓	History Management
opacity: ✓	applicationCache ✓
Multiple backgrounds ✓	Touch events
Flexible Box Model ✓	Web Sockets
CSS Animations	Web Workers ✓
CSS Columns ✓	Web SQL Database
CSS Gradients ✓	WebGL
CSS Reflections	IndexedDB
CSS 2D Transforms ✓	Input Types†
CSS 3D Transforms	Input Attributes†
CSS Transitions	

**R  
S  
S**

## Modernizr on Twitter

Want Modernizr on a CDN? Use [CachedCommons.org!](#) Vote on this [Github issue](#) to get it upgraded to 1.6: <http://j.mp/ba1HP5>  
1 day ago

@brianblakely It's true, with Modernizr 2.0 you'll be able to configure your download.  
7 days ago

[SEE MORE TWEETS »](#)

# ie-7.js



ie7-js

A JavaScript library to make MSIE behave like a standards-compliant browser.

Search projects

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[Summary](#) | [Updates](#) | [People](#)

## About

IE7.js is a JavaScript library to make Microsoft Internet Explorer behave like a standards-compliant browser. It fixes many HTML and CSS issues and makes transparent PNG work correctly under IE5 and IE6.

## Status

Current version: 2.1 beta4.

## Usage

### IE7.js

Upgrade MSIE5.5-6 to be compatible with MSIE7.

```
<!--[if lt IE 7]>  
<script src="http://ie7-js.googlecode.com/svn/version/2.1(beta4)/IE7.js"></script>  
<![endif]-->
```

### IE8.js

Upgrade MSIE5.5-7 to be compatible with MSIE8.

```
<!--[if lt IE 8]>  
<script src="http://ie7-js.googlecode.com/svn/version/2.1(beta4)/IE8.js"></script>  
<![endif]-->
```

You do not need to include IE7.js if you are using IE8.js

### IE9.js

★ Star this project

Activity: High

Code license:  
[MIT License](#)

Labels:  
ie7, ie8, ie9, javascript, css, html

Featured downloads:

[ie7-2.1\(beta4\).zip](#)

[Show all >](#)

Blogs:

[All Blog Posts](#)  
[Eric Meyer on IE7.js](#)  
[The IE6 Equation](#)

External links:

[Getting Started](#)  
[Examples](#)  
[Hotlink](#)

Feeds:

[Project feeds](#)

Groups:

[Google Group](#)

Owners:

[doo](#), [stuart](#)

# CSS3Pie.com

progressive internet explorer



PIE makes Internet Explorer 6-8 capable of rendering several of the most useful **CSS3** decoration features.

[Learn More](#) ⇨

## Try the DEMO

This quick demo shows just a few of the CSS3 properties PIE can render. Use the controls to adjust the CSS3 applied to the box. Load this page in IE to see that it is rendered properly!



CSS3 features

border-radius  
 Enable Radius size:

box-shadow  
 Enable Blur size:  X offset:  Y offset:

linear-gradient  
 Enable Top color:  Bottom color:

Options  
 Enable PIE (only affects IE)  
 Show CSS

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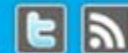
Blog

Project @ GitHub

Version  
1.0beta2

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⇨ [Donate](#)



# CSS Sandpaper

## User Agent Man

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    - [HTML5](#)
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    - [SVG](#)
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### Archives

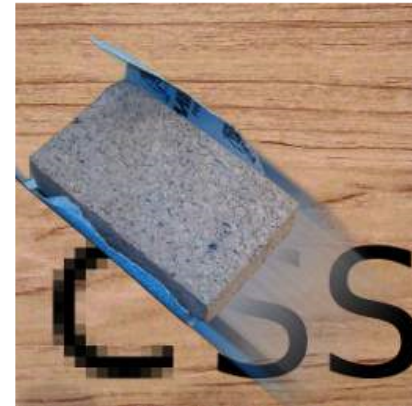
- [October 2010](#)
- [September 2010](#)
- [August 2010](#)

## cssSandpaper – a CSS3 JavaScript Library

The cssSandpaper JavaScript library looks at the stylesheets in an HTML document and, where possible, smooths out the browser differences between CSS3 properties like `transform`, `opacity`, `box-shadow` and others. This script is not only useful for developers who want to support CSS3 in IE (which doesn't support it in IE natively) but in other browsers which implement their own vendor-specific variants of these properties.

For a good introduction to cssSandpaper and how it works under the covers, you may want to first read these blog-posts:

- [Cross Browser Transforms — even in IE](#): this article talks about how why cssSandpaper was created and how it works under the hood. It also has several interesting examples that can be seen by all modern web browsers.
- [Cross-Browser Animated CSS Transforms — even in IE](#): introduces scripting CSS3 properties to create some interesting visual effects.



*Remix of images by Parée Erica and Hans Christophersen*

## How to Use

1. Download the JavaScript archive linked to at the end of this manual
2. Put the following code in the head of your document

# Templates



# HTML5Boilerplate.com

Now offered in: [DEUTSCH](#)

## HTML5 ★ BOILERPLATE

A ROCK-SOLID DEFAULT FOR HTML5 AWESOME.

HTML5 Boilerplate is the professional badass's base HTML/CSS/JS template for a fast, robust and future-proof site.

After more than two years in iterative development, you get the best of the best practices baked in: cross-browser normalization, performance optimizations, even optional features like cross-domain Ajax and Flash. A starter apache .htaccess config file hooks you the eff up with caching rules and preps your site to serve HTML5 video, use @font-face, and get your gzip zippin on.

Boilerplate is not a framework, nor does it prescribe any philosophy of development, it's just got some tricks to get your project off the ground quickly and right-footed.

## WANT TO DIVE IN?

DOWNLOAD BOILERPLATE V0.9.5 [UPDATED OCT 26TH](#)

[BOILERPLATE DOCUMENTED](#)

KEEP THE HINTS AND LINKS

OR

[BOILERPLATE "STRIPPED"](#)

NO COMMENTS, JUST THE BIZNISS.

[READ THE DOCS](#) ★ [CONTRIBUTE ON GITHUB](#) ★ [COMMENT HERE](#)

[FOLLOW ON TWITTER](#) ★ [JOIN THE MAILING LIST](#)



# Final Thoughts

“Can I use CSS3 now?”

**YES  
YOU  
CAN.**



And it does so much

Leverage available resources



Take the steps to move forward



...while looking behind



Leave a positive legacy



# Resources

[delicious.com/denisejacobs/  
gdcss3](https://delicious.com/denisejacobs/gdcss3)

[delicious.com/denisejacobs/  
gdcss3examples](https://delicious.com/denisejacobs/gdcss3examples)

# Shameless Self-Promotion #1

## The CSS Detective Guide

[CSSDetectiveGuide.com](http://CSSDetectiveGuide.com)  
[twitter.com/cssdetective](https://twitter.com/cssdetective)

Get 35% off at  
PeachPit.com with the  
discount code **“DETECTIVE”**



### The **CSS** DETECTIVE GUIDE

*TRICKS FOR  
SOLVING TOUGH  
CSS MYSTERIES!*

*DENISE R. JACOBS*

# Shameless Self-Promotion #2

## InterAct With Web Standards: A Holistic Approach to Web Design

[InterActWithWebStandards.com](http://InterActWithWebStandards.com)  
[twitter.com/waspinteract](https://twitter.com/waspinteract)

Get 35% off at [PeachPit.com](http://PeachPit.com)  
with the discount code  
**“INTERACT”**

**INTERACT WITH**  
**WEB STANDARDS**

A HOLISTIC APPROACH TO WEB DESIGN

Erin Anderson, Virginia DeBolt, Derek Featherstone, Lars  
Gunther, Denise Jacobs, Leslie Jensen-Inman, Chris Mills,  
Christopher Schmitt, Glenda Sims, and Aarron Walter

# Thank You!



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[denise@denisejacobs.com](mailto:denise@denisejacobs.com)

[twitter.com/denisejacobs](https://twitter.com/denisejacobs)

[slideshare.net/denisejacobs](http://slideshare.net/denisejacobs)