Overview

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What is CSS3?
CSS3:

- The latest variation of the Cascading Style Sheet language.

- Divided into separate documents called 'modules'.

- Modules are features such as 'Background', 'Colors', 'Multi-column layout'.

- Over 50 modules exist as of this month.
Why use CSS3?
CSS3 Advantages:

• Custom fonts: With CSS3, web designers are no longer forced to use only "web-safe" fonts.

• Animations:

• Numerous other add-ons to standard CSS

Images courtesy of w3schools
Benchmarking by Trent Walton:


http://trentwalton.com/examples/CSS3_Speed_Test/
### CSS3 Problem:

Browser support, especially for Internet Explorer.

<table>
<thead>
<tr>
<th>Property</th>
<th>Browser Support</th>
</tr>
</thead>
<tbody>
<tr>
<td>border-radius</td>
<td>Mozilla, Chrome, Edge, Safari, Firefox, Opera, IE</td>
</tr>
<tr>
<td>box-shadow</td>
<td>Mozilla, Chrome, Edge, Safari, Firefox, Opera, IE</td>
</tr>
<tr>
<td>border-image</td>
<td>Mozilla, Chrome, Edge, Safari, Firefox, Opera, IE</td>
</tr>
<tr>
<td>background-size</td>
<td>Mozilla, Chrome, Edge, Safari, Firefox, Opera, IE</td>
</tr>
<tr>
<td>background-origin</td>
<td>Mozilla, Chrome, Edge, Safari, Firefox, Opera, IE</td>
</tr>
<tr>
<td>text-shadow</td>
<td>Mozilla, Chrome, Edge, Safari, Firefox, Opera, IE</td>
</tr>
<tr>
<td>word-wrap</td>
<td>Mozilla, Chrome, Edge, Safari, Firefox, Opera, IE</td>
</tr>
<tr>
<td>transform</td>
<td>Mozilla, Chrome, Edge, Safari, Firefox, Opera, IE</td>
</tr>
<tr>
<td>@keyframes</td>
<td>Mozilla, Chrome, Edge, Safari, Firefox, Opera, IE</td>
</tr>
<tr>
<td>animation</td>
<td>Mozilla, Chrome, Edge, Safari, Firefox, Opera, IE</td>
</tr>
</tbody>
</table>

**Solution:** Use appropriate prefixes.
Brief History:

- Style sheet have been in use since the 1970s, when Standard Generalized Markup Language (SGML) existed.

- In October of 1994, Håkon Wium Lie proposed CHSS to meet the increasing demands of web developers. The language would serve as the precursor to CSS.

- In December of 1996, CSS Level 1 was published. There were many problems with this language, however, which resulted in the creation of CSS2 in November 4, 1997.

- CSS3 was started soon after in 1998. W3C has finally published a recommendation for it this year.
Usage:

http://www.marcofolio.net/

http://code.almeros.com/

Skype App menu for Mac with CSS3 & jQuery

Water ripple FX with Canvas and Javascript

Check the Water Ripple Effect here!
Resources:

http://www.css3.info/ - Comprehensive information and updates on CSS3

http://css3generator.com/ - Quick CSS3 code generation

http://caniuse.com/#cats=CSS3 - Tool for evaluating compatibility of features

http://www.w3schools.com/css3/ - Comprehensive Tutorial

Benchmarking of CSS3-


http://trentwalton.com/examples/CSS3_Speed_Test/