CSS3 for Web Designers and Developers

This course will expose students to new features in CSS3. Students will learn to leverage the power and efficiency of this most recent version of CSS, learning how to use new selectors and pseudo elements; new font, color, and layout techniques; transforms, transitions, and animations; media queries for presenting on mobile devices; and more.

Course Objectives:

- Learn new selectors, pseudo class, and pseudo elements to style elements.
- Learn font and text effects, including @font-face.
- Learn new gradient, mask, and background image techniques.
- Learn how to implement animations, transitions, and 2D and 3D transforms.
- Learn how to use media queries to render content appropriately for mobile and tablet devices.
- Learn about vendor-specific prefixes and browser support for various CSS3 techniques.

Audience: Web designers and developers already familiar with cascading style sheets.

Prerequisites: Experience in HTML and advanced level of CCS.

Number of Days: 2 days

1 The Power of CSS
Doing More with Less
A First Example
Challenges
Next Up

2 Introducing CSS3
What is CSS3?
The History of CSS
Browser Support
HTML5

3 Selectors and Pseudo Classes
Attribute Selectors
The Target Pseudo-Class
UI Element States Pseudo-Classes
Negation Pseudo-Class
Structural Pseudo-Classes

4 Fonts and Text Effects
Fonts on the Web
Font Services
The @font-face Rule
Text Shadow
Word Wrapping

5 Colors, Gradients, Background Images, and Masks
Color
The Opacity Property
Backgrounds
background-origin, and background-size

6 Borders and Box Effects
Image Borders
Rounded Corners
Box Shadow

7 Transitions, Transforms, and Animations
Transitions and Transforms
Transitions

8 Layout: Columns and Flexible Box
Layout: Columns and Flexible Box
Flexible Box Model

9 Vendor Prefixes
What are Vendor Prefixes?
Maybe They Ain't So Bad
Strategies

10 Embedding Media
Video Formats
Styling Video

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11 Accessibility Features
Web Accessibility
The CSS3 Speech Module
12 Media Queries
Targeting Widths and Devices with CSS3 Media Queries
Responsive Images and the Viewport Metatag
13 Implementing CSS3 in the "Real World"
Stuff That Ain't (Strictly) CSS, but Sure Is Useful
jQuery
HTML5
Modernizr
Preprocessors
Frameworks and Grid Systems
14. Going Forward/Additional Resources
What's Next?
Online Resources
Get Involved