

CSS: Modernizing Your Skills

Course #: CSS101 **Duration:** 2 days

Prerequisites

Experience in HTML and an advanced level of CSS. People new to CSS should start with the CSS Introduction course.

Details

Modernizing Your CSS Skills is a training class for web developers who have used CSS but need to update their CSS skills to take advantage of the new Level 3 and Level 4 CSS modules that are widely supported by modern browsers.

Software Needed

Any text editor and web browser.

Outline

CSS: Modernizing Your Skills

- **The Power of CSS**
 - The Power of CSS
 - Doing More with Less
 - A First Example
 - Challenges
 - CSS Level 3
 - CSS Level 4
 - Image Values
 - Background and Borders
 - Browser Support
- **Selectors and Pseudo Classes**
 - Selectors, Pseudo-Classes, and Pseudo-Elements
 - Attribute Selectors
 - The ::before and ::after Selectors
 - The target Pseudo-Class
 - UI Element States Pseudo-Classes
 - Negation Pseudo-Class
 - Structural Pseudo-Classes
 - Pseudo-Elements
- **Fonts and Text Effects**
 - Fonts and Text Effects
 - Fonts on the Web
 - Font Services
 - The @font-face Rule
 - Text Shadow
 - Word Wrapping
- **Colors, Gradients, Background Images, and Masks**
 - Colors, Gradients, Background Images, and Masks
 - Color
 - The opacity Property

- Backgrounds
- **Borders and Box Effects**
 - Borders and Box Effects
 - Image Borders
 - Rounded Corners
 - Box Shadow
- **Transitions, Transforms, and Animations**
 - Transitions & Transforms
 - Transitions
- **Layout: Columns and Flexible Box**
 - Columns
 - Flexible Box Layout Module
 - Examples
- **Vendor Prefixes**
 - What are Vendor Prefixes?
 - Maybe They Ain't So Bad
 - Strategies
 - Autoprefixer
- **Embedding Media**
 - Embedding Media
 - Video Formats
 - Styling Video
- **Accessibility Features**
 - Accessibility Features
 - Web Accessibility
 - The CSS Speech Module
- **Media Queries**
 - Media Queries
 - Targeting Widths and Devices with CSS Media Queries
 - Responsive Images & the viewport Metatag
- **Sass**
 - Preprocessors
- **Frameworks**
 - Frameworks
 - Bootstrap
 - Setting up Bootstrap
 - Display Utility Classes
 - Foundation
 - Setting Up Foundation
 - UIKit
 - Setting Up UIKit
- **Grid Layout**
 - CSS Grid Layout
 - Styling the Parent Element
 - Styling Grid Children Elements
 - Controlling Grid Line Size: Gaps
 - Grid Layout for Page Layout
 - Grid Layout and Media Queries
- **CSS Level 4 Selectors**
 - CSS Level 4 Selectors
 - Logical Combinations
 - `.matches()`
 - Case Insensitivity
- **Going Forward/Additional Resources**
 - Going Forward/Additional Resources
 - What's Next?
 - Online Resources
 - Get Involved

