

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..

Audience: Web developers who have used CSS. People new to CSS should start with the Introduction to CSS and Advanced CSS courses.

Prerequisites: Experience in HTML and an advanced level of CSS

Number of Days: Two days

1. Power of CSS
 - a. The Power of CSS
 - b. CSS Level 3 and CSS Level 4
2. Selectors
 - a. The target Pseudo-Class
 - b. Using CSS Target
 - c. UI Element States Pseudo-Classes
 - d. Using CSS Attribute-State Pseudo-Classes
 - e. Negation Pseudo-Class
 - f. Structural Pseudo-Classes
 - g. Using the Structural Attribute Pseudo-Classes
 - h. Using nth-of-type Pseudo-Class
 - i. Pseudo-Elements
3. Fonts and Text Effects
 - a. Fonts and Text Effects
 - b. Fonts on the Web
 - c. Font Services
 - d. Using Font Services
 - e. The @font-face Rule
 - f. Using @font-face
 - g. Text Shadow
 - h. Word Wrapping
 - i. Text Shadow and Word Wrap
4. Colors, Gradients, Background Images, and Masks
 - a. Colors, Gradients, Background Images, and Masks
 - b. Color
 - c. The opacity Property
 - d. Using HSL & Opacity
 - e. Backgrounds
 - f. Multiple Background Images with background-clip,
 - g. background-origin, and background-size

5. Borders and Box Effects
 - a. Borders and Box Effects
 - b. Image Borders
 - c. Image Borders
 - d. Rounded Corners
 - e. Box Shadow
 - f. Rounded Corners & Drop Shadow
6. Transitions, Transforms, and Animations
 - a. Transitions & Transforms
 - b. Transitions
 - c. Transitions
7. Layout: Columns and Flexible Box
 - a. Columns
 - b. Columns
 - c. Flexible Box Layout Module
 - d. Examples
 - e. Flexible Box Layout
8. Vendor Prefixes
 - a. What are Vendor Prefixes?
 - b. Maybe They Ain't So Bad
 - c. Strategies
 - d. Autoprefixer
 - e. Autoprefixer with Gulp
9. Embedding Media
 - a. Embedding Media
 - b. Video Formats
 - c. Styling Video
 - d. Styling Video
10. Accessibility Features
 - a. Web Accessibility
 - b. The CSS Speech Module
11. Media Queries
 - a. Media Queries
 - b. Targeting Widths and Devices with CSS Media Queries
 - c. Responsive Images & the viewport Metatag
 - d. Responsive Design
12. Sass
 - a. Preprocessors
 - b. Sass
13. Frameworks
 - a. Frameworks
 - b. Bootstrap
 - c. Setting up Bootstrap
 - d. Display Utility Classes
 - e. Foundation
 - f. Setting Up Foundation

- g. UIKit
 - h. Setting Up UIKit
 - i. Bootstrap
14. Grid Layout
- a. CSS Grid Layout
 - b. Styling the Parent Element
 - c. Grid Layout
 - d. Styling Grid Children Elements
 - e. Controlling Grid Line Size: Gaps
 - f. Creating Modern Art
 - g. Grid Layout for Page Layout
 - h. Grid Layout and Media Queries
 - i. Page Layout with Grid Areas
15. CSS Level 4 Selectors
- a. CSS Level 4 Selectors
 - b. Logical Combinations
 - c. :matches()
 - d. Case Insensitivity
16. Going Forward/Additional Resources
- a. Going Forward/Additional Resources
 - b. What's Next?
 - c. Online Resources
 - d. Get Involved
 - e. Testing CSS