

## Course duration

- 2 days

## Course Benefits

- 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 CSS techniques.

### Available Delivery Methods

#### Public Class

Public expert-led online training from the convenience of your home, office or anywhere with an internet connection. Guaranteed to run .

#### Private Class

Private classes are delivered for groups at your offices or a location of your choice.

## Course Outline

1. Power of CSS
  1. The Power of CSS
  2. CSS Level 3 and CSS Level 4
2. Selectors
  1. The target Pseudo-Class
  2. Using CSS Target
  3. UI Element States Pseudo-Classes
  4. Using CSS Attribute-State Pseudo-Classes
  5. Negation Pseudo-Class
  6. Structural Pseudo-Classes
  7. Using the Structural Attribute Pseudo-Classes
  8. Using nth-of-type Pseudo-Class
  9. Pseudo-Elements
3. Fonts and Text Effects

1. Fonts and Text Effects
2. Fonts on the Web
3. Font Services
4. Using Font Services
5. The @font-face Rule
6. Using @font-face
7. Text Shadow
8. Word Wrapping
9. Text Shadow and Word Wrap
4. Colors, Gradients, Background Images, and Masks
  1. Colors, Gradients, Background Images, and Masks
  2. Color
  3. The opacity Property
  4. Using HSL & Opacity
  5. Backgrounds
  6. Multiple Background Images with background-clip,
  7. background-origin, and background-size
5. Borders and Box Effects
  1. Borders and Box Effects
  2. Image Borders
  3. Image Borders
  4. Rounded Corners
  5. Box Shadow
  6. Rounded Corners & Drop Shadow
6. Transitions, Transforms, and Animations
  1. Transitions & Transforms
  2. Transitions
  3. Transitions
7. Layout: Columns and Flexible Box
  1. Columns
  2. Columns
  3. Flexible Box Layout Module
  4. Examples
  5. Flexible Box Layout
8. Vendor Prefixes
  1. What are Vendor Prefixes?
  2. Maybe They Ain't So Bad
  3. Strategies
  4. Autoprefixer
  5. Autoprefixer with Gulp
9. Embedding Media
  1. Embedding Media
  2. Video Formats
  3. Styling Video
  4. Styling Video
10. Accessibility Features
  1. Web Accessibility

- 2. The CSS Speech Module
- 11. Media Queries
  - 1. Media Queries
  - 2. Targeting Widths and Devices with CSS Media Queries
  - 3. Responsive Images & the viewport Metatag
  - 4. Responsive Design
- 12. Sass
  - 1. Preprocessors
  - 2. Sass
- 13. Frameworks
  - 1. Frameworks
  - 2. Bootstrap
  - 3. Setting up Bootstrap
  - 4. Display Utility Classes
  - 5. Foundation
  - 6. Setting Up Foundation
  - 7. UIKit
  - 8. Setting Up UIKit
  - 9. Bootstrap
- 14. Grid Layout
  - 1. CSS Grid Layout
  - 2. Styling the Parent Element
  - 3. Grid Layout
  - 4. Styling Grid Children Elements
  - 5. Controlling Grid Line Size: Gaps
  - 6. Creating Modern Art
  - 7. Grid Layout for Page Layout
  - 8. Grid Layout and Media Queries
  - 9. Page Layout with Grid Areas
- 15. CSS Level 4 Selectors
  - 1. CSS Level 4 Selectors
  - 2. Logical Combinations
  - 3. :matches()
  - 4. Case Insensitivity
- 16. Going Forward/Additional Resources
  - 1. Going Forward/Additional Resources
  - 2. What's Next?
  - 3. Online Resources
  - 4. Get Involved
  - 5. Testing CSS

## Class Materials

Each student will receive a comprehensive set of materials, including course notes and all the

class examples.

### Class Prerequisites

Experience in the following *is required* for this CSS class:

- HTML
- Advanced level of CSS

### Prerequisite Courses

Courses that can help you meet these prerequisites:

- [Introduction to HTML Training](#)
- [Introduction to CSS Training](#)
- [Advanced CSS Training](#)