

From Zero to CSS/CSS 3

When creating websites with HTML, you must also learn to make that HTML look great. The way to do that is with cascading style sheets (CSS). This course teaches you the basics of CSS and CSS 3 to create that great look for your web pages. CSS makes your HTML look great, be more efficient, and easier to maintain.

Learning Objectives

Why you should use CSS

How best to structure CSS

The latest CSS 3 techniques

Prerequisites

We assume you know HTML and how to use an editor such as Visual Studio Code.

Course Length

2 days

Module 1: Overview of CSS

Overview of CSS

Using styles

Where to put styles

Cascading order

Module 2: Basic Formatting

Fonts

Measurements

- Colors
- Width and Height
- Borders
- Text
- Overflow
- Cursor
- Pseudo classes

Module 3: Margin and Padding

- Margin
- Padding

Module 4: Display

- Block
- Inline
- Change display for elements
- Width and height
- Visibility

Module 5: Positioning

- Relative
- Absolute
- Fixed

Module 6: Background Images

- Repeating images

Horizontal and vertical images
Fixed images

Module 7: Style Types

Element styles
ID styles
Class styles
Inline styles

Module 8: Style Locations

External style sheets
Head styles
Overriding styles

Module 9: Multiple Selectors

Multiple selectors
Multiple linked selectors
Nesting selectors

Module 10: Input Forms

Creating forms using tables
Creating forms using div tags and CSS

Module 11: List Styles

Styles for and

Creating navigation using and styles

Module 12: Table Styles

Styling tables

Borders

Collapsed

Padding

Color

Striped

Module 13: Box Model

Layout

Sizing

Module 14: Columns

Two-column

Multi-column

Module 15: FlexBox

Display attribute

Align items

Direction of flex box

Justify content

Auto and wrap

Module 16: Grid Layout

- Display attribute
- Repeat function
- Templating rows
- Gap between grid columns

Module 17: Functions

- Common functions
- Attr()
- Calc()
- Counter()

Module 18: Transforms

- Rotate
- Translate
- Scale
- Skew
- 3D sample

Module 19: Transitions

- Growing an element
- Moving an element
- Rotating and sizing

Module 20: Media Queries

Change styles based on browser size
Print styles

Module 21: Pseudo Classes

nth-child
nth-last-child
not class

Module 22: Text Effects

Shadows
Word wrapping
Resizing a div
Custom fonts

Module 23: Filters

Blurring
Contrast
Gray scale

Module 24: Rounded Corners

Setting the radius
Using radius on just one side of an element
Using radius on a few sides of an element

Module 25: Drop Shadows

Adding drop shadows
Blurring and spreading

Module 26: Gradients

Using an image
Linear gradients
Radial gradients