

Migrating to CSS3

Course Summary

Description

The Migrating to CSS3 training course helps you transition to the latest version of Cascading Stylesheets (CSS3).

The Migrating to CSS3 course is designed to get developers familiar with CSS up to date with the latest technologies ensuring pages are ready for modern browsers. CSS3 is packed with bold features that make pages more interactive, vibrant, and mobile-friendly.

Objectives

At the end of this course, students will be able to:

- CSS Syntax (Review)
- CSS Advanced Selectors
- Border, Background, Shadow Properties
- Incorporating Responsive Design
- Adding Interactivity with Transitions, Transforms, and Animations

Topics

- A Quick CSS Review
- Introducing Cascading Stylesheets 3
- Defining CSS Advanced Selectors
- Assigning New Background Properties
- Using New Color Formats
- Exploring Border and Shadow Properties
- Designing for Mobile Devices
- Making Pages More Interactive

Audience

This course is designed for web developers and designers looking to adopt CSS3.

Prerequisites

This course assumes prior experience with CSS. If you do not have prior CSS experience, we recommend taking the *Introduction to CSS* course first.

Duration

One day

C Migrating to CSS3

Course Outline

I. A Quick CSS Review

- A. Basics of CSS Syntax
- B. Understanding Element Positioning and the Box Model

II. Introducing Cascading Stylesheets 3

- A. Introduction to CSS3
- B. Benefits for Mobile Design
- C. Compatibility with Browsers and Devices
- D. Overview of the Modules Included in CSS3

III. Defining CSS Advanced Selectors

- A. The Child Selector
- B. The Sibling Selector
- C. The Nth Selectors
- D. Of Type Selectors
- E. Adjacent Selectors
- F. Attribute Selectors

IV. Assigning New Background Properties

- A. Background Image (Using more than one image)
- B. Gradients

V. Using New Color Formats

- A. Introducing the Alpha Value
- B. RGB Format
- C. RGBA Format
- D. HSL Format
- E. HSLA Format

VI. Exploring Border and Shadow Properties

- A. Border Radius
- B. Border Image
- C. Text Shadow
- D. Box Shadow

VII. Designing for Mobile Devices

- A. Introduction to Responsive Design
- B. Introduction to Mobile First Concept
- C. Flexible Grids
- D. Flexible Units
- E. Media Queries

VIII. Making Pages More Interactive

- A. Transitions
- B. Transforms
- C. 2D and 3D
- D. Animations
- E. When to Use CSS vs. JavaScript for Interactivity