CSS3 for Responsive Web Design

Category: Software Development & Programming | **Vendor:** Various

Duration: 32.00 hours (4 days) **26.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Learn how to build web pages that are accessible across a wide range of devices, and ensure a great User Experience (UX) for all customers who interact with your website. In this training course, you gain the skills to design responsive and visually engaging content-oriented web pages using CSS3, apply mobile-first design techniques, and build responsive web forms, menus, and columns.

About This Course

Learn how to build web pages that are accessible across a wide range of devices, and ensure a great User Experience (UX) for all customers who interact with your website. In this training course, you gain the skills to design responsive and visually engaging content-oriented web pages using CSS3, apply mobile-first design techniques, and build responsive web forms, menus, and columns.

Prerequisites & Entry Requirements

General Prerequisites:

HTML experience at the level of:

- Developing a Website

Recommended Experience:

- Familiarity with CSS syntax

Learning Outcomes

Upon successful completion of this course, participants will be able to:

- Design responsive web content using Cascading Style Sheets (CSS3)
- Implement new CSS3 syntax into your legacy applications
- Enhance Responsive Web Design (RWD) with jQuery plugins
- Position HTML elements with accuracy and consistency
- Apply best practices that support modern and legacy browsers

Detailed Course Outline

Introduction to Cascading Style Sheets (CSS)

Employing CSS syntax and semantics

- Separating content from design
- Discovering how CSS makes RWD possible
- Structuring HTML containers with IDs
- Manipulating CSS colour rules

Integrating style sheets

- Choosing from inline, embedded and external styles
- Optimising rules via group selectors
- Targeting elements with contextual selectors
- Demystifying the Cascade Inheritance Model
- Updating browser with CSS developer tools

Leveraging the CSS Box Model

Manipulating HTML containers

- Selecting accessible units of measure
- Overcoming collapsing CSS margins
- Moving HTML content with CSS margins
- Condensing rules with shorthand definitions
- Distinguishing relative from absolute position

Adopting accessible units of measure

- Tailoring global style resets
- Overriding author styles
- Distinguishing block from inline elements
- Defining WCAG accessibility obligations
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Positioning with Accuracy and Consistency

Explicitly rendering any HTML container

- Replacing HTML align attribute with CSS float and clear
- Exploiting the default static position rule
- Extending position with relative relationships

Advanced positioning

- Creating advanced contextual position with absolute rules
- Replacing HTML frames with fixed position rule

CSS3 Selection Syntax

Making optimised and advances selections

- Reviewing contextual and combinatory selector syntax
- Introducing CSS3 semantic pseudo selectors
- Chaining pseudo selectors for more specific selections

Advanced Selection Techniques

- Moving beyond selecting by class, ID or HTML elements
- Exploiting selections by behaviour
- Selecting by HTML attribute content
- Selecting based on HTML DOM relationships
- Managing dynamic content using set selectors

Designing Responsive Content

Combining the three CSS ingredients to RWD

- Assessing mobile-specific design theory
- Incorporating a mobile-first design
- Exploring liquid dimensions
- Introducing min and max attributes

Responsive column layout

- Designing multi-column layouts that fit any device
- Performing basic calculations with calc()
- Dealing with browser vendor prefixes

Exploiting CSS3 flexible layout

- Implementing columns with CSS flexbox
- Composing parent and child grid styles
- Extending CSS2 @media directives
- Detecting viewport height, width and orientation
- Exploring mobile device support

Accessible and Responsive Forms

Web Consortium Accessibility Guidelines

- Exploring regional interpretations of WCAG
- Complementing HTML5 form validation
- Styling WCAG compliant fieldsets, labels and legends

Enhancing RWD with jQuery

- Animating content with pure CSS transitions and transforms

- Modifying DOM properties

- Adding responsive menu toggles

- Adding responsive and infinite scrolling

Providing legacy browser support

- Automated prefix and fallback libraries

- SASS and LESS pre-processors

Skills You Will Learn:

- Design responsive web content using Cascading Style Sheets (CSS3)
- Implement new CSS3 syntax into your legacy applications
- Enhance Responsive Web Design (RWD) with jQuery plugins
- Position HTML elements with accuracy and consistency
- Apply best practices that support modern and legacy browsers

Frequently Asked Questions

Q: What delivery options are available for CSS3 for Responsive Web Design?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 4-day CSS3 for Responsive Web Design course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the CSS3 for Responsive Web Design training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for CSS3 for Responsive Web Design?

Yes, we provide corporate training, dedicated training, and closed classes for CSS3 for Responsive Web Design. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: CSS3 for Responsive Web Design, Programming, CSS3

Q: Why choose Nexus Human for CSS3 for Responsive Web Design?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your CSS3 for Responsive Web Design training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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