

## Lesson : Media Query

### Introduction to Media Queries & RWD

- Responsive Web Design (RWD): Ensures websites adjust to various devices and screen sizes, enhancing user experience.
- Advantages:
  - Improved User Experience: Ensures consistency and usability across devices.
  - Increased Mobile Traffic: Accommodates growing mobile device usage.
  - Cost and Time Efficiency: Maintains a single codebase for all devices.
  - SEO Benefits: Enhances visibility and search engine rankings.
- Implementation Methods: Use flexible layouts, responsive images, and media queries for adaptive designs.
- Media Query: CSS feature allowing conditional styling based on device attributes like screen size and orientation.
- Anatomy: Uses @media rule, specifies media type (screen, print, etc.), features (width, height), and logical operators (and, or, not) for precise styling conditions.

### Writing media queries for different screen sizes

- Purpose: Media queries in CSS enable targeted styling based on screen dimensions, ensuring websites are responsive across various devices.
- Standard Breakpoints:
  - Extra small devices: Max-width of 576px.
  - Small devices: Min-width of 576px.
  - Medium devices: Min-width of 768px.
  - Large devices: Min-width of 992px.
  - Extra large devices: Min-width of 1200px.
- Implementation: Use @media rules to apply specific styles based on the device's width, optimizing layout and usability across different screen sizes.