

Lesson

Thursday

Introduction to Programming

(/introduction-to-programming)

/ Git, HTML and CSS (/introduction-to-programming/git-html-and-css)

/ CSS Media Queries and Responsive Design

Text

Cheat sheet

Terminology

- **Media query:** A block of CSS applied only when certain conditions about the size or type of screen/window a user is viewing our content with are true. (i.e.: CSS associated with a media query with a max-width of 500px would only apply its styles when the viewport width is below 500px).
- **Breakpoint:** The point at which a media query's condition becomes true. A media query with a max-width of 500px will apply its styles when the viewport is less than 500px. 500px is then the break point.
- **Viewport:** The tool a user is viewing content with. Usually a browser window on a computer, phone, or tablet.
- **Responsive web design:** An approach to web design focused around providing the best viewing and navigation experience for the specific device and screen size a user is viewing content with.

- **Media types:** The type of media device the user is viewing content with (such as print, screen, handheld, or all)
- **Media features:** Specific properties about the manner the user is viewing content; including width and height of viewport, orientation of device, etc.

Examples

The following query will make the background red and text white when the browser window has a width below 768px:

```
@media screen and (max-width: 768px) {  
  body {  
    background: #FF6347;  
    color: #FFF;  
  }  
}
```

In the code above:

- screen is the **media type**.
- 768px is the **breakpoint**.
- max-width is a **media feature**.
- body is a **selector**.
- background and color are **properties**.
- #FF6347 and #FFF are **values**.

Additional Resources

- Mozilla Developer Network — Using media queries (https://developer.mozilla.org/en-US/docs/Web/CSS/Media_Queries/Using_media_queries)
- Mozilla Developer Network — @media (<https://developer.mozilla.org/en-US/docs/Web/CSS/@media>)

- Example usages of media queries — Mediaqueri.es (<http://mediaqueri.es/>)

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