Media queries are a powerful tool in CSS that allow you to apply different styles to your web page based on the characteristics of the device or viewport it's being displayed on. This is crucial for creating responsive web designs that adapt to different screen sizes and devices, ensuring a positive user experience across platforms.

**Syntax:**

@media media\_type and (media\_feature1: value1) and (media\_feature2: value2) {

Styles to be applied when the media query is true

}

 @media: This keyword initiates the media query.

 media\_type: This specifies the type of media you're targeting (e.g., screen for computer monitors, print for printing, etc.). It's optional, and if omitted, the query applies to all media types.

 media\_feature: This specifies a particular characteristic of the device or viewport you want to check (e.g., width, height, orientation, etc.).

 value: This specifies the desired value for the chosen media feature.

 and: This is used to combine multiple media features within the same query.

Relevance of Media Inquiries:  
  
Reactive Web Design: The cornerstone of responsive web design is media queries. They enable you to adjust your website's design, content, and layout to fit various screen sizes and gadgets, making it the best possible viewing experience across PCs, tablets, smartphones, and other devices.

Better User Experience: Media queries make sure that your website is simple to use, read, and navigate on any screen size by adjusting to the user's device. Higher user engagement and satisfaction result from this.

Accessibility: Using assistive technologies or changing font sizes, spacing, and other aspects for visitors with various visual skills, you can utilize media queries to make your website more accessible.

Benefits of SEO: Responsive websites are preferred by Google and other search engines because they offer better user experience

Down I have attached list of all media query.

* [any-hover](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/any-hover)
* [any-pointer](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/any-pointer)
* [aspect-ratio](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/aspect-ratio)
* [color](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/color)
* [color-gamut](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/color-gamut)
* [color-index](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/color-index)
* [device-aspect-ratio](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/device-aspect-ratio) Deprecated
* [device-height](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/device-height) Deprecated
* [device-width](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/device-width) Deprecated
* [display-mode](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/display-mode)
* [dynamic-range](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/dynamic-range)
* [forced-colors](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/forced-colors)
* [grid](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/grid)
* [height](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/height)
* [hover](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/hover)
* [inverted-colors](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/inverted-colors)
* [monochrome](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/monochrome)
* [orientation](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/orientation)
* [overflow-block](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/overflow-block)
* [overflow-inline](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/overflow-inline)
* [pointer](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/pointer)
* [prefers-color-scheme](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/prefers-color-scheme)
* [prefers-contrast](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/prefers-contrast)
* [prefers-reduced-motion](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/prefers-reduced-motion)
* [prefers-reduced-transparency](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/prefers-reduced-transparency) Experimental
* [resolution](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/resolution)
* [scripting](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/scripting)
* [update](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/update)
* [video-dynamic-range](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/video-dynamic-range)
* [width](https://developer.mozilla.org/en-US/docs/Web/CSS/@media/width)