CSS Media Queries/ Responsive Design

Responsive Design: changing the design depending on form factor (how big the screen is)

* Elastic design: use this
* Fluid design:

@MEDIA RULE:

* Allows conditional styling of elements
* The conditions can be based on the type of media or known characteristics of the device being used
* Combining media queries with fluid layout and flexible images, allows us to implement responsive web design.

MEDIA QUERIES:

\*Look at the capability of the device

* Can be used to check many things:
* width and height of the viewport
* width and height of the device
* orientation (is the tablet/phone in landscape or portrait mode?)
* resolution
* \*\*Using media queries are a popular technique for delivering a tailored style sheet to tablets, iPhone, and Androids
* Syntax:
* @media not|only *mediatype*and(*expressions*) { *CSS-Code;*}
* Consists of

A media type

One or more expression resulting in true or false

Query result is true if the device being used to display the document matches the specified media type, and all expressions in the MQ are true

When true – the corresponding style rules are applied, following the normal cascading rules

@media screen and (min-width: 480px) {  
    body {  
        background-color: lightgreen;  
    }  
}

\*\*If viewport is 480px or wider 🡪 changes background to lightgreen

\*\*If viewport is smaller than 480px the original styles remain

* Media types:
* All:
* Print:
* Screen:
* Speech:
* Expressions:
* Min-width:
* Max-width:
* Min-height:
* Max-height:
* Orientation:
* Resolution
* Aspect-ratio:

COMBINED QUERIES: