



RESPONSIVE BASICS

MEDIA QUERIES

Syntax:

```
@media screen and (max-width: ##px) {  
  /* Styles to apply*/  
}
```

Example:

```
@media screen and (max-width: 600px) {  
  .hamburger {  
    display: block;  
  }  
  footer li {  
    background-color: yellow;  
  }  
}
```

RESPONSIVE PROPERTIES

Property	Description	Example
<code>max-width</code>	<i>Max width of an element</i>	<code>max-width: 500px;</code>
<code>margin</code>	<i>Can be used to center an element when paired with a max-width</i>	<code>margin: 0 auto;</code>

DISPLAY:

<code>inline</code>	<i>Make block-level element act like inline element.</i>	<code>display: inline;</code>
<code>inline-block</code>	<i>Make block-level element flow like inline element, while retaining width, height, padding, and margin.</i>	<code>display: inline-block;</code>
<code>block</code>	<i>Make inline element act like block-level element</i>	<code>display: block;</code>
<code>none</code>	<i>Hide element from the page.</i>	<code>display: none;</code>



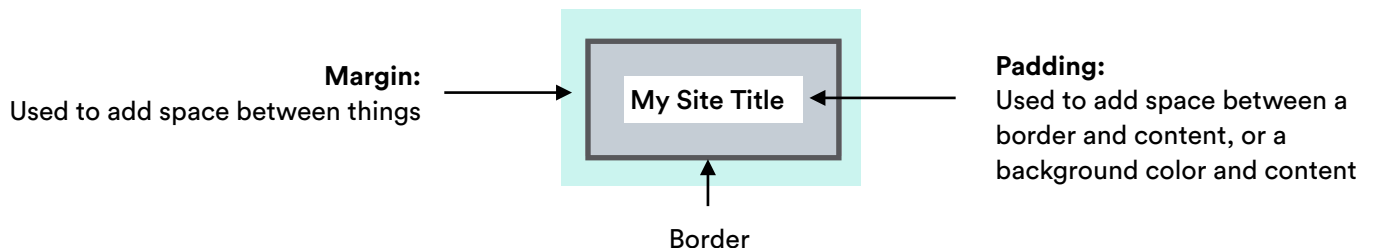
CSS LAYOUT

DISPLAY:

	inline	inline-block	block
Does the element stack or sit on a line with other elements?	Sits next to other elements	Sits next to other elements	Stacks
Can set width and height ?	No	Yes	Yes
Do padding and margin apply?	Only apply to left and right	Apply to all sides	Apply to all sides
Does text-align apply?	No	No	Yes

BOX MODEL:

width	<code>width: #px;</code>	<code>width: 300px;</code>
height	<code>height: #px;</code>	<code>height: 80px;</code>
border	<code>border: width style color;</code> <code>border-side: width style color;</code>	<code>border: 1px solid red;</code> <code>border-top: 1px solid red;</code>
margin	<code>margin: ##px;</code> <code>margin-side: ##px;</code> <code>margin: top right bottom left;</code>	<code>margin: 20px;</code> <code>margin-top: 25px;</code> <code>margin: 20px 10px 10px 5px;</code>
padding	<code>padding: ##px;</code> <code>padding-side: ##px;</code> <code>padding: top right bottom left;</code>	<code>padding: 20px;</code> <code>padding-top: 25px;</code> <code>padding: 20px 10px 10px 5px;</code>





CSS GRID & SELECTORS

GRID — CONTAINER PROPERTIES

Property	Description	Example
<code>display: grid</code>	Initialize a grid (on a parent element)	<code>display: grid</code>
<code>grid-template-columns</code>	Set up number of columns and column width (using as space separated list for the width for each column)	<code>grid-template-columns: 50% 50%;</code> <code>grid-template-columns: 2fr 1fr;</code> <code>grid-template-columns: repeat(2, 50%);</code>
<code>grid-template</code>	Shorthand for rows and columns in one line	<code>grid-template: <grid-template-rows> / <grid-template-columns>;</code>
<code>grid-column-gap</code>	Space between columns	<code>grid-column-gap: 20px;</code>
<code>grid-row-gap</code>	Space between rows	<code>grid-row-gap: 20px;</code>

SELECTORS:

<code>a {}</code>	Element Selector
<code>p a {}</code>	Descendant Selector
<code>* {}</code>	Universal Selector
<code>h1, h2 {}</code>	Select Multiple Elements
<code>#about {}</code>	Select an element with an ID
<code>.main-nav</code>	Select an element/elements with a class

CLASSES AND IDS:

Selector	Description	HTML Example	CSS Example
Class	Classes group elements together.	<code><li class="my-class-name"></code>	<code>.my-class-name {}</code>
ID	Ids are unique. Each id can only be used once per HTML file.	<code><li id="my-id-name"></code>	<code>#my-id-name {}</code>



HTML BASICS

HTML ELEMENTS:

Tag Name	Description	Example
h1 - h6	<i>Headings and Subheadings</i>	<code><h1>Site Title</h1></code>
p	<i>Paragraph</i>	<code><p>Here's my paragraph</p></code>
a	<i>Anchor (link)</i>	<code>Link Text</code>
ul	<i>Unordered list</i>	<code> One Two </code>
li	<i>List item</i>	<code>My list item</code>
img	<i>Image</i>	<code></code>

HTML5 ELEMENTS:

Tag Name	Description
header	<i>Contains introductory content, such as the site title and navigation</i>
nav	<i>Contains a major navigational block</i>
footer	<i>Contains footer content</i>
main	<i>Contains content that is unique to that particular page</i>
article	<i>Self-contained, standalone content that would make sense on its own</i>
aside	Not required to understand the rest of the page
section	<i>A general section of the page that could have a heading</i>
div	<i>A wrapper for styling and none of the above apply</i>

ATTRIBUTES:

Provide extra information about an element. Go within the opening tag.

Syntax: `<tag attributeName="attributeValue">Content</tagName>`

Example: `Link to my site`



CSS BASICS

TEXT STYLES:

Property	Description	Example
<code>color</code>	<i>Text color</i>	<code>color: #888888;</code>
<code>background-color</code>	<i>Background color</i>	<code>background-color: #dfdfff;</code>
<code>text-align</code>	<i>Text alignment</i>	<code>text-align: center;</code>
<code>text-decoration</code>	<i>Text underline</i>	<code>text-decoration: none;</code>
<code>text-transform</code>	<i>Text casing</i>	<code>text-transform: uppercase;</code>
<code>font-weight</code>	<i>Font weight</i>	<code>font-weight: 600;</code>
<code>font-style</code>	<i>Font style</i>	<code>font-style: italic</code>
<code>font-family</code>	<i>Font</i>	<code>font-family: "Raleway", sans-serif;</code>
<code>font-size</code>	<i>Font size</i>	<code>font-size: 30px;</code>
<code>line-height</code>	<i>Space between lines</i>	<code>line-height: 20px;</code>
<code>letter-spacing</code>	<i>Space between letters</i>	<code>letter-spacing: 1px;</code>

BACKGROUND STYLES:

Property	Description	Example
<code>background-color</code>	<i>Background color</i>	<code>background-color: #dfdfff;</code>
<code>background-image</code>	<i>Background image</i>	<code>background-image: url('../css/image_name.jpg');</code>

SELECTOR — WHAT WE ARE STYLING → `h2 {`

`text-align: center;`

`font-size: 25px;`

`}`

← STYLES