**CSS**

#BB43BE

**Selectors**

Selectors: Patterns used to select and style elements in a CSS rule.

.class: Selects elements with a specific class attribute.

.highlight {

  background-color: yellow;

  color: black;

}

#id: Selects a single element with a specific ID attribute.

#header {

  font-size: 24px;

  color: blue;

}

element: Selects elements based on their tag name.

p {

  font-style: italic;

}

\*: Selects all elements on a page.

\* {

  margin: 0;

  padding: 0;

}

**Colors**

Text Color:

color:  blue;

Background Color:

background-color: lightblue;

Opacity Color:

opacity: 0.9;

Border Color:

border-color: red;

**Units and Sizes**

Units and Sizes: Specify measurements for various CSS properties.

px: Pixels

em: Ems

rem: Rems

%: Percentages

vw, vh, vmin, vmax: Viewport Units

in, cm, mm, pt, pc: Absolute Units

auto: Auto

calc(): Calculation

**Box Models**

Box Models: Define the layout and spacing of elements.

width, height: Width and Height.

padding: Padding

border: Border

margin: Margin

box-sizing: control the weight, height, border and padding of an element.

outline: Outline

display: Display

align-items: align items

justify-content: vertical align items.

.centered-box {

  width: 300px;

  height: 200px;

  margin: 0 auto;

  border: 2px solid black;

  padding: 20px;

box-sizing: content-box/border-box/

  display: flex;

  align-items: center/flex-star/flex-end/;

  justify-content: center/flex-star/flex-end/;

}

**Typography**

Typography: Control the appearance of text on your webpage.

font-family: type of font.

font-variant: variant of fonts.

font-size: size of the font.

font-weight: weight of the font.

font-style: Font-Style

line-height: height separation

text-align: ubication

color: Color

text-decoration: decoration of text.

letter-spacing: space between letters.

word-spacing: space between words.

p {

  font-family: "Arial", sans-serif/cursive/fantasy;

  font-style: italic/oblique/normal;

font-variant: small-caps;

  font-size: 24px;

  font-weight: bold/lighter/100 to 900/bolder/normal;

  text-align: center/left/right/justify;

  text-indent: 2em;

  color: #333;

  text-decoration: underline/none/;

  text-transform: capitalize/lowercase/uppercase;

  letter-spacing: 1px/0.1;

  line-height: 1.5;

  word-spacing: 0.5;

}

**Styling Links**

a: anchor tag.

a:link: unvisited links.

a:visited: for already visited links.

a:hover: when the mousse is on the link.

a:active: when the mousse clicked the link and try to move it to another place.

a:focus: when navigates to an interactive element using the keyboard.

a {

  text-decoration: underline/none;

  cursor: pointer/not-allowed;

  color: blue;

}

a:visited {

  color: purple;

}

a:hover , a:focus{

  color: dodgerblue;

  background-color: gold;

}

a:active{

  color: red;

}

**Lists Styles**

HTML’s List Tags:

ol: order lists. (numeric list)

ul: unorder lists. (circle list)

li: list item.

CSS Styles:

list-style-type: to change the type of markers.

text-align: position of the list without markers.

list-style-position: position of the list and markers.

line-height: height distances between lists.

list-style-image: change de bullets adding an image.

CSS Element:

content: you can swap the list-style-type for markers whit a text.

CSS Pseudo-Class:

ul li:nth-child(2): break down the unorder lists, item list number 2 or even or odd.

CSS Pseudo-Element:

::marker: for set de markers

ol {

  list-style-type: lower-alpha/decimal/circle/upper-roman/none;

}

ul {

list-style-type: square;

text-align: center;

list-style-position: inside/outside;

color: blue;

line-height: 1.6;

list-style-image: url(“../images/checkmark.png”);

}

ul li:nth-child(2) {

color: red;

}

::marker {

color: red;

font-family: fantasy;

font-size: 1em;

content: “Only $4 >>”;

**Displays**

display: Type of presentation

display: block; Arrange the blocks one below the other respecting the height and width.

display: inline; Align the blocks one below the other without respecting height and width.

display: inline-block; Aling the blocks one below the other respecting the height and width.

display: flow-root; Creates a block that does not interfere with other design elements.

display: flex;

display: grid;

**Columns**

. columns {

column-count: 4; Number of columns.

column-width: 250px; width (max 250px)

columns: 4 250px; (amount and width)

column-rule: 3px solid black; divider column.

column-count: 4;

column-width: 250px (max 250px)

or

columns: 4 250px;

column-rule: 3px solid black;

}

. columns p {

margin-top: 0;

}

. columns h2 {

padding: 1rem;

margin-top: 0;

background-color: black;

color: white;

break-inside: avoid; prevent an element from being split into multiple parts during a page or column break in multi-column or multi-page layouts.

}

. columns .quote {

margin-top: 2rem;

font-size: 3rem;

text-align: center;

color: black;

column-span: all; Allows an element to span all available columns, ignoring column boundaries and creating a "collapsed" effect on the column layout.

}

. nowrap {

white-space: nowrap; Used to prevent line wrapping and collapsing whitespace within the element.

}