CSS

| Structure |  | selector {declaration} | Declaration is broken down to {property:value}  Selector indicates which html element you want to style |
| --- | --- | --- | --- |
| selectors | Simple | p {declaration} - element  #id {declaration} - id  #attribute {declaration} - class attribute  \* {declaration} - universal | Selects based off name,id, or class attribute  p.class{declaration} - creates class for specific element that can only be called by that element.  Can give multiple selectors with a , like  p , h1, h2 {declaration} |
|  | Combinator |  | Select based on relationship between elements |
|  | pseud-class |  | Selects based on a state |
|  | pseudo-element |  | Selects part of element |
|  | attribute |  | Selects based on an attribute or attribute value |
| CSS Location | External | **<**html>  <head>  <link rel=”sheet” href=”sheet.css”>  </head>  <html> | Link to external CSS sheet that defines the style |
|  | Internal | <html>  <head>  <style>  CSS INFORMATION  </style>  </head>  </html> | Putting CSS information in the style part of a HTML page |
|  | in-line | <h1 style=”DECLARATION”>text</h1> | Used to style a specific element |
|  | Priority | Inline > external / Internal > browser |  |
| Comments |  | /\* comment \*/ | Used to explain code and ignored by browser |
| Display |  |  | Specifies how an element should be displayed |
| Box Model | | | |
| Text | color | color:VALUE | Sets defined selector’s text’s color to be VALUE |
|  | Background | background-color:VALUE | Sets defined selector’s background color to be Value |
|  | Horizontal Alignment | text-align:VALUE  text-align-last:VALUE | Sets horizontal alignment. Values are center, left, right, and justify. Last command sets specifically the last line’s value. |
|  | Vertical alignment | vertical-align:VALUE | Sets vertical alignment. Values are baseline, text-top, text-bottom, sub, and super |
| Decoration (underline) | Decoration | text-decoration-line:VALUE | Set decoration. Values are overline, line-through, underline. Can combine multiple with a space between VALUEs |
|  | Decoration Color | text-decoration-color:VALUE | Set decoration color. |
|  | Decoration Style | text-decoration-style:VALUE | Set decoration style. Values are:  Dotted, dashed, solid, double, groove, ridge, inset, outset, none, hidden. |
|  | Decoration Thickness | text-decoration-thickness:VALUE | Sets decoration thickness. Values can be auto, px, % |
|  | Decoration Shorthand | Text-decoration: LINE COLOR STYLE THICKNESS | Sets decoration properties in 1 line in the following order.  Text-decoration:none is used to remove underlines from links. |
|  | Text Transform | text-transform:VALUE | Sets text’s casing. Values are uppercase, lowercase, capitalize |
|  | Indent | text-indent:VALUE | Set indent of first line |
|  | Letter Spacing | letter-spacing:VALUE | Set space between characters in text |
|  | Line height | Line-height:VALUE | Set space between lines |
|  | Word spacing | word-spacing:VALUE | Set space between words |
|  | Text Shadow | text-shadow:HORIZONTAL VERTICAL BLUR COLOR | Set shadow for text. Value 1 is horizontal value 2 is vertical |
| Font | Family | font-family:VALUE, VALUE, VALUE | Set font for text, in order of preference in case some are unavailable. |
|  | Italic | Font-Style:ITALIC | Sets style as italic or oblique. |
|  | Bold | Font-Weight:BOLD | Set font as bold |
|  | Size | Font-size:VALUE | Set font size. Value can be in px, em, %, vw |
|  | Shorthand | Font: STYLE VARIANT WEIGHT SIZE/LINE-HEIGHT FAMILY | Set multiple font properties in 1 line in the order on the left. |
| Margins |  | margin:VALUE | Creates space over margins, outside borders. Value can be auto, length (px,pt,cm), % , inherit  Shorthand: Can give 4 values for top, right, bottom, and left margins. |
|  | Side | margin-SIDE:VALUE | Sets value of margin of side specified |
| Padding |  | padding:VALUE | Sets padding value, inside of borders.  Shorthand: Can give 4 values for top, right, bottom, and left padding. |
|  | Side | padding-SIDE:VALUE | Sets value of padding of side specified |
| Background | Opacity | opacity:VALUE | Sets opacity to value specified |
|  | Image | background-image:url(LINK) | Sets background to image in link |
|  | Repeat | background-repeat:VALUE | Set background repeat pattern.  Values can be: x-repeat,no-repeat,y-repeat. |
|  | Position | background-position:VALUE1 VALUE2 | Set background position.  Values can be: right, left, top, bottom, center and can combine multiple |
|  | Attachment | background-attachment:VALUE | Sets whether the background should scroll or be fixed. Values are scroll or fixed |
|  | Shorthand | background: **color image repeat attachment position** | Shorthand to use multiple styles in one line. Order is the order in the example, not all needed. |
| Borders | Style | border-style:VALUE | Set type of border values are:  Dotted, dashed, solid, double, groove, ridge, inset, outset, none, hidden.  Can give 4 values for top, right, bottom, and left border lines. |
|  | Border | border-color:VALUE | Sets defined selector’s border color to be VALUE  Can give 4 values for top, right, bottom, and left border lines. |
|  | Width | border-width: VALUE | Sets border width, can be in px, pt, cm, em  Can give 4 values for top, right, bottom, and left border lines. |
|  | Sides | border-SIDE-PROPERTY:VALUE | Sets border property to the value for whatever side specified. Properties could be style, color, width |
|  | Shorthand | border: WIDTH STYLE COLOR | Sets border properties in the order to the left in 1 line |
|  | Radius | Border-radius: VALUE | Rounds the border corners by value given |
| Outline | Style | outline-style:VALUE | Set type of outline values are:  Dotted, dashed, solid, double, groove, ridge, inset, outset, none, hidden.  Can give 4 values for top, right, bottom, and left border lines. |
|  | Color | outline-color:VALUE | Sets defined selector’s outline color to be VALUE  Can give 4 values for top, right, bottom, and left border lines. |
|  | Width | border-width: VALUE | Sets outline width, can be in px, pt, cm, em  Can give 4 values for top, right, bottom, and left border lines. |
|  | Shorthand | outline: WIDTH STYLE COLOR | Sets outline properties in the order to the left in 1 line. Style is required |
|  | Offset | outline-offset: VALUE | Creates space between outline and border edge |
| Links | | | |
| Styling |  | a {  STYLE:VALUE  } | Links can be styled with any CSS property |
| Status |  | a:link {  STYLE:VALUE  }  a:visited {  STYLE:VALUE  }  a:hover {  STYLE:VALUE  }  a:active {  STYLE:VALUE  } | Status is dependant on user interaction with link. A:link - unvisited  A:visited - visited  A:hover - mousing over it  A:active - when clicked |
| Button |  | A:link {  Background-color: Red;  color:White;  Padding:15px 30px;  Text-align:center;  Text-decoration:none;  Display: inline-block;  } | Example of code to make a button |
| Lists | | | |
| Format |  | ul.a {DATA}  ul.b {DATA}  ol.a {DATA}  ol.b {DATA} | Ul vs ol is an ordered list or unordered list. The a or b refers to a tag that can be called later to specify formatting for different lists. |
| Marker |  | list-style-type:VALUE | Changes list marker of unordered list to what value is. Values can be |
|  | Image marker | list-style-image:url(URL) | Makes the marker an image |
|  | Position | List-style-position:VALUE | Changes whether list is in list item or outside. Values can be inside or outside. |
|  | Shorthand | List-style: TYPE POSITION IMAGE |  |
| Table | | | |
| General Format |  | table, th, td {VALUE} | Default table format. Table, th, td is choosing all 3 elements, could just choose one of the 3 or a combination of 2. |
| Borders |  | Border: VALUE VALUE | Sets border for table. Value 1 is the width of the border, value 2 is the style. |
|  | Collapsed borders | border-collapse:collapse | Sets borders to collapse, so only share 1 single border |
| Size | Width | Width: VALUE | Sets width for table or part. Can set at 100% to span whole width of screen |
|  | Height | height:VALUE | Sets height for table or part. |
| Alignment | Horizontal | text-align:VALUE | Sets horizontal alignment of text. Values are center, left,right |
|  | Vertical | vertical-align:VALUE | Sets vertical alignment of text. Values are top, bottom, middle |
| Padding |  | padding:VALUE | Sets padding between content and borders to whatever VALUE is |
| Hover |  | tr:hover {background-color:VALUE;} | Sets background color of a row when moused over |
| Color | Alternating Color | tr:nth-child(even) {background-color: VALUE} | Sets background color of all even (or odd) rows to value. |
|  | Background | background-color:VALUE | Sets color of background of an element to VALUE |
| Responsive |  | <div stye=”overflow-x:auto;”>  <table> DATA </table>  </div> | Div creates a section, in this case the table, that will overflow in the x-direction and create a scroll wheel when needed. |
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