**CSS**

**Lengths and Percentages**

**px** (such as font-size: 12px) is the unit for pixels.

**em** (such as font-size: 2em) is the unit for the calculated size of a font. So “2em”, for example, is two times the current font size.

**pt** (such as font-size: 12pt) is the unit for points, for measurements typically in printed media.

**%** (such as width: 80%) is the unit for… wait for it… percentages.

**pc** (picas)

**cm** (centimeters)

**mm** (millimeters)

**in** (inches).

**Colors**

red

rgb(255,0,0)

rgb(100%,0%,0%)

#ff0000

#f00

**Basic Colors:**

aqua, black , blue, fuchsia, gray, green, lime, maroon, navy, olive, purple, red, silver, teal, white, and yellow

compressed version of the six-digit (#ff0000 becomes #f00)

**Pseudo classes**

**Selector : pseudo\_class {**

**property: value;**

**}**

|  |  |
| --- | --- |
| **Classes** | **Description** |
| **Link** | **Unvisited links** |
| **Visited** | **Visited links** |
| **Active** | **Link clicked on** |
| **Hover** | when something is passed over by an input from the user |
| **Focus** | selected by, or is ready for, keyboard input |

**Pseudo Elements**

Selector : pseudoelement {

property: value;

}

|  |  |
| --- | --- |
| **Classes** | **Description** |
| **p:first-letter** | applies to the first letter |
| **p:first-line** | top-most displayed line in a box |
| **Before** | Conjunction |
| **After** | Conjunction |
| **Content** | content either side of a box without touching the HTML |

**Note:**

**P::first-line opposite of p:first-line**

**Specificity**

**ID selector** (“#whatever”) a value of **100**

**Class selector** (“.whatever”) a value of **10**

**HTML selector** (“whatever”) a value of **1**

**Examples:**

[**p**](http://www.htmldog.com/references/html/tags/p/) has a specificity of **1** (1 HTML selector)

**div p** has a specificity of **2** (2 HTML selectors, 1+1)

**.tree** has a specificity of **10** (1 class selector)

**div p.tree** has a specificity of **12** (2 HTML selectors + a class selector, 1+1+10)

#baobab has a specificity of **100** (1 id selector)

**body #content .alternative p** has a specificity of **112** (HTML selector + id selector + class selector + HTML selector, 1+100+10+1)

**Positioning:**

**Selectors :**

**Basic Selectors:**

|  |  |  |
| --- | --- | --- |
| **Selector** | **Syntax** | **Description** |
| Element | P{color: red;} | **Type Selector** |
| .class | . opti{ color : aqua;} | Class selector |
| #id | # opti{color: red;} | ID selector |
| \* | \*{color: red;} | Universal Selector |

**Attribute Selectors:**

|  |  |  |
| --- | --- | --- |
| **Selector** | **Syntax** | **Description** |
| [attribute] | a[href]  { color: red } | **containing a given attribute** |
| [attribute="x"] | a[href="/sitemap/"]  { color: red } | **containing a given attribute with a given value** |
| [attribute~="x"] | abbr[title~="Style"]  { color: red } | contains a sub-value within a **space-separated list**. |
| [attribute|="x"] | html[lang|="en"]  { color: red } | contains a sub-value within a **hyphen-separated list**. |
| [attribute^="x"] | a[href^="http://"]  { color: red } | containing a given attribute with a value that **starts** with something. |
| [attribute$="x"] | a[href$=".com"]  { color: red } | containing a given attribute with a value that **ends** with something |
| [attribute\*="x"] | |  |  | | --- | --- | |  | a[href\*="htmldog"]  { color: red } | | containing a given attribute with a value that **contains** something. |

**Pseudo Classes:**

|  |  |  |
| --- | --- | --- |
| **Selector** | **Syntax** | **Description** |
| :link | a:link  { color: blue } | **link that has not been visited**. |
| |  |  | | --- | --- | | :visited |  | | a:visited  { color: purple } | |  |  | | --- | --- | | **link that has been visited** |  | |
| :active | a:active  { color: red } | **activated**, such as a link being clicked on. |
| :hover | a:hover  { text-decoration: none } | **hovered over** by a cursor |
| :focus | a:focus  { border: 1px solid yellow } | Matches an element that has **focus** |
| :target | h2:target  { color: red } | Matches an element that has been **linked**  **ex** :<a href="#x"…, |
| :lang() | |  |  | | --- | --- | |  |  |   p:lang(fr)  { color: red } | Matches an element of a given **language**. |
| :first-child | p:first-child  { color: red } | Matches the **first child** of an element |
| :last-child | div p:last-child  { color: blue } | Matches the **last child** of an element. |
| :first-of-type | li:first-of-type  { color: red } | Matches the **first sibling of its type** in an element |
| :last-of-type | li:last-of-type  { color: blue } | Matches the **last sibling of its type** in an element |
| :nth-child() | p:nth-child(3)  { color: red } | **ordinal number child** of its parent |
| :nth-last-child() | p:nth-last-child(2)  { color: blue } | **ordinal number child, in reverse order**, of its parent |
| :nth-of-type() | li:nth-of-type(5)  { color: red } | **ordinal number sibling of its type** |
| :nth-last-of-type() | li:nth-last-of-type(5)  { color: red } | o**rdinal number sibling, in reverse order, of its type** |
| :only-child | |  |  | | --- | --- | |  | article p:only-child  { color: red } | | **only child** of its parent |
| :only-of-type | article aside:only-of-type  { color: blue } | **only sibling of its type**. |
| :empty | td:empty  { border-color: red } | **no children, or content** |
| :enabled | input:enabled  { border-color: lime } | **form control elements that are not disabled** |
| :disabled | input:disabled  { border-color: red } | **form control elements that are disabled** |
| |  |  | | --- | --- | | :checked |  | | input:checked  { outline: 3px solid yellow } | **input element that is checked** |
| :not() | p:not(:first-child)  { color: orange } | **Negotiation**  pseudo-class  Matches an element that does not match a selector. |

**Pseudo Elements:**

|  |  |  |
| --- | --- | --- |
| **Selector** | **Syntax** | **Description** |
| ::first-line | |  |  | | --- | --- | |  | p::first-line  { font-weight: bold } | | **first textual line in an element** |
| |  | | --- | | ::first-letter | | |  |  | | --- | --- | |  | p::first-letter  { font-size: 2em } | | **first letter** in an element |
| ::before | h1::before  { content: "\*" } | **before** the initial content of an element |
| ::after | h1::after  { content: "+" } | **after** the initial content of an element |

**Combinators:**

|  |  |  |
| --- | --- | --- |
| **Selector** | **Syntax** | **Description** |
| selector selector | aside p { color: red } | **Descendant** combinator  Matches elements that are descendants of another element |
| selector > selector | |  |  | | --- | --- | |  | .warning > p { color: red } | | **Child** combinator  Matches elements that are children of another element |
| selector + selector | h1 + \* { color: red } | **Adjacent sibling** combinator. Matches elements that immediately follow another element |
| selector ~ selector | h2 ~ p { color: red } | **General sibling** combinator. Matches elements that follow another element |

**Properties :**

**Backgrounds:**

|  |  |  |
| --- | --- | --- |
| **Properties** | **Syntax** | **Description** |
| All | * Inherit * Initial * Unset |  |
| Unicode-bidi | * Normal * Embed * Bidi-override * Inherit * Initial * Unset | * Default * Opens an additional level of embedding within the algorithm * Opens an additional level of embedding and overrides the Unicode character ordering, reordering |
| Direction | * Ltr * Rtl * Inherit * Initial * Unset | * Left to right. default * Right to left |
| Background | [[image]](http://www.htmldog.com/references/css/properties/background-image/) [[position]](http://www.htmldog.com/references/css/properties/background-position/) / [[size]](http://www.htmldog.com/references/css/properties/background-size/) [[repeat]](http://www.htmldog.com/references/css/properties/background-repeat/) [[attachment]](http://www.htmldog.com/references/css/properties/background-attachment/) [[origin]](http://www.htmldog.com/references/css/properties/background-origin/) [[clip]](http://www.htmldog.com/references/css/properties/background-clip/) [[color]](http://www.htmldog.com/references/css/properties/background-color/) | Example:  url("bg.jpg") 20% 0% /  contain repeat-y fixed content-box padding-box #fff |
| *background-attachment* | * Scroll * Fixed * Local * [value] [value] * Inherit | * attached to the element box * attached to the viewport * attached to the box contents * scroll fixed |
| *background-clip* | * Border-box * Padding-box * Content—box * [value],[value] * Inherit * Initial * Unset | * covers the border, padding, and content areas of a box * covers the padding and content areas of a box * covers the content area of a box |
| *background-color* | Rgb(0,0,0,)  Basic(I,I,U) |  |
| *background-image* | * None * [url] * [url],[url] * IIU | * url("imageFile.jpg") * url("im.jpg")url("gee.jpg") |
| *background-origin* | * Border-box * Padding-box * Content—box * [value],[value] * Inherit * Initial * Unset | * position is relative to the border box * position is relative to the padding box(default) * position is relative to the content box |
| *background-position* | * Length * Percentage * Center * Top * Right * Bottom * Left * [horz] [verti] * [keyword][length/%]   [keyword with no offset]   * [keyword] [length]   [keyword][length]   * [values][values] * IIU | * 10px * 25% * //50% 50% * //50% 0% * //100% 50% * //50% 100% * //0% 50% * 100px 200px * Top 2em right * Top 2em right 2em * Top right, 20px 30px |
| *background-repeat* | * Repeat * Repeat-x * Repeat-y * No-repeat * Space * Round * [value],[value] | * Default(both horizontal & vertical) * Horizontal only * Vertical only * Just once * Gap inserted to all * Repeat-x , repeat-y |
| *background-size* | * Auto * Length * Percentage * Contain * Cover * [width][height] * [values],[values] | * Default * 64px * 25% * Largest size * Largest size cover * 100px 200px * 100% 200px, cover |
| *background-size* | * Auto * Length * Percentage * Contain * Cover * [width][height] * [values],[values] | * Default * 64px * 25% * Largest size * Largest size cover * 100px 200px * 100% 200px, cover |

**Borders:**

|  |  |  |
| --- | --- | --- |
| **Properties** | **Syntax** | **Description** |
| *border* | * [Width] * [Style] * [Color] * [Width][ style] * [Width][ color] * [Style][ color] * [Width][ style][ color] | * 2px * Solid * Red * 2px solid * 2px red * Solid red * 2px solid red |
| *Border-bottom* | * [Width] * [Style] * [Color] * [Width][ style] * [Width][ color] * [Style][ color] * [Width][ style][ color] | * 2px * Solid * Red * 2px solid * 2px red * Solid red * 2px solid red |
| *Border-bottom-color* | * Color | * Rgb(0,0,0) |
| *border-bottom-left-radius* | * [length] * [percentage] * [horizontal radius]   [vertical radius] | * 1em * 50% * 10px 20px |
| *border-bottom-right-radius* | * [length] * [percentage] * [horizontal radius]   [vertical radius] | * 1em * 50% * 10px 20px |
| *Border-bottom-style* | * None * Solid * Dotted * Dashed * Double * Groove * Ridge * Inset * Outset * Hidden |  |
| *Border-bottom-width* | * [length] * Thin * Medium * Thick | * 10px |
| *Border-collapse* | * Collapse * Separate (Default) | * Collapsing borders model * Separated borders model |
| *Border-color* | * [color] | * Rgb(0,0,0) |
| *Border-image* | * [[source]](http://www.htmldog.com/references/css/properties/border-image-source/) [[slice]](http://www.htmldog.com/references/css/properties/border-image-slice/) / [[width]](http://www.htmldog.com/references/css/properties/border-image-width/) / [[outset]](http://www.htmldog.com/references/css/properties/border-image-outset/) [[repeat]](http://www.htmldog.com/references/css/properties/border-image-repeat/) | * url("b.png") 33% fill / 10px 20px / 0.1 space |
| *Border-image-outset* | * [Length] * [number] * [t & b offset]   [r & l offset]   * [top offs][r & l offs]   [bottom offs]   * [top ] [right]   [bottom][left] | * 10px * 1.2 * 5px 50px * 1.2 0.8 0.5 * 5px 10px 15px 20px |
| *Border-image-repeat* | * stretch * repeat * Space * Round * [value] [value] | * default * both horizontal & vertical * Gap inserted to all * Stretch repeat |
| *Border-image-slice* | * [percantage] * [number] * [t & b offset]   [r & l offset]   * [top offs][r & l offs]   [bottom offs]   * [top ] [right]   [bottom][left]   * [values] fill | * 10% * 12 * 5% 5% * 13 15 7 * 5% 10% 15% 20% * 13 15 7 1 fill |
| *Border-image-source* | * [url] | * url(“image.jpg”) |
| *Border-image-width* | * [length] * [percantage] * [number] * auto * [t & b offset]   [r & l offset]   * [top offs][r & l offs]   [bottom offs]   * [top ] [right]   [bottom][left] | * 10px * 10% * 12 * 5% 5% * 1.3 1.5 0.7 * 5px 10px 15px 20px |
| *Border-left* | * [Width] * [Style] * [Color] * [Width][ style] * [Width][ color] * [Style][ color] * [Width][ style][ color] | * 2px * Solid * Red * 2px solid * 2px red * Solid red * 2px solid red |
| *Border-left-color* | * [color] | * Rgb(0,0,0) |
| *Border-left-style* | * None * Solid * Dotted * Dashed * Double * Groove * Ridge * Inset * Outset * Hidden |  |
| *Border-left-width* | * [length] * Thin * Medium * Thick | * 10px |
| *Border-radius* | * [length] * [percentage] * [T-L & B-R]   [T-R & B-L]   * [T-L][T-R & B-L]   [B-R]   * [T-L][T-R ][ B-R]   [B-L]   * [hori radi] / [verti radi] | * 1em * 50% * 10px 20px * 10px 20px 30px * 10px 20px 30px 40px * 10px 20px / 30px 40px |
| *Border-right* | * [Width] * [Style] * [Color] * [Width][ style] * [Width][ color] * [Style][ color] * [Width][ style][ color] | * 2px * Solid * Red * 2px solid * 2px red * Solid red * 2px solid red |
| *Border-right-color* | * [color] | * Rgb(0,0,0) |
| *Border-right-style* | * None * Solid * Dotted * Dashed * Double * Groove * Ridge * Inset * Outset * Hidden |  |
| *Border-right-width* | * [length] * Thin * Medium * Thick | * 10px |
| *Border-spacing* | * [horizon & vertical] * [horiz][verti] | 10px  10px 20px |
| *Border-style* | * None * Solid * Dotted * Dashed * Double * Groove * Ridge * Inset * Outset * Hidden |  |
| *Border-top* | * [Width] * [Style] * [Color] * [Width][ style] * [Width][ color] * [Style][ color] * [Width][ style][ color] | * 2px * Solid * Red * 2px solid * 2px red * Solid red * 2px solid red |
| *Border-top-color* | * [color] | * Rgb(0,0,0) |
| *Border-top-left-radius* | * [length] * [percentage] * [horiz radi][verti radi] | * 1em * 50% * 10px 20px |
| *Border-top-right-radius* | * [length] * [percentage] * [horiz radi][verti radi] | * 1em * 50% * 10px 20px |
| *Border-top-style* | * None * Solid * Dotted * Dashed * Double * Groove * Ridge * Inset * Outset * Hidden |  |
| *Border-top-width* | * [length] * Thin * Medium * Thick | * 10px |
| *Border-width* | * [length] * Thin * Medium * Thick | * 10px |

**Fonts:**

|  |  |  |
| --- | --- | --- |
| **Properties** | **Syntax** | **Description** |
| *font* | [[style]](http://www.htmldog.com/references/css/properties/font-style/) [[variant]](http://www.htmldog.com/references/css/properties/font-variant/) [[weight]](http://www.htmldog.com/references/css/properties/font-weight/) [[size]](http://www.htmldog.com/references/css/properties/font-size/)/[[line-height]](http://www.htmldog.com/references/css/properties/line-height/) [[family]](http://www.htmldog.com/references/css/properties/font-family/) | italic small-caps bold 12px/1.5 Helvetica, Arial, sans-serif |
| *Font-family* | * [family] * Serif * Sans-serif * Monospace * Cursive * Fantasy * [multi font family] | * Helvetica * Helvetica, san-serif |
| *Font-size* | * [length] * [percentage] * Larger * Smaller * Xx-small * X-small * Small * Medium * Large * X-large * Xx-large | * 12px * 150% |
| *Font-size-adjust* | * [number] | * 0.5 |
| *Font-stretch* | * Ultra-condensed * Extra-condensed * Condensed * Semi-condensed * Normal * Semi-expanded * Expanded * Extra-expanded * Ultra-expanded |  |
| *Font-style* | * Normal * Italic * oblique |  |
| *Font-synthesis* | * None * Weight * Style * Weight style |  |
| *Font-variant* | * Normal * Small-caps |  |
| *Font-weight* | * Bold * Bolder * Lighter * 100 * 200   …….     * 900 |  |

**Margin:**

|  |  |  |
| --- | --- | --- |
| **Properties** | **Syntax** | **Description** |
| *Margin* | * Length * Percentage * Auto * [top,right,bottom,left] * [top - bottom][left-right] * [top][right-left][bottom] * [top][right][bottom][left] | * 20px * 100% * 5px * 5px 10px * 5px 10px 20px * 5px 10px 20px 30px |
| *Margin-bottom* | * Length * Percentage * Auto | * 20px * 100% |
| *Margin-left* | * Length * Percentage * Auto | * 20px * 100% |
| *Margin-right* | * Length * Percentage * Auto | * 20px * 100% |
| *Margin-top* | * Length * Percentage * Auto | * 20px * 100% |

**Padding:**

|  |  |  |
| --- | --- | --- |
| **Properties** | **Syntax** | **Description** |
| *Padding* | * Length * Percentage * Auto * [top,right,bottom,left] * [top - bottom][left-right] * [top][right-left][bottom] * [top][right][bottom][left] | * 20px * 100% * 5px * 5px 10px * 5px 10px 20px * 5px 10px 20px 30px |
| *padding-bottom* | * Length * Percentage | * 20px * 100% |
| *padding-left* | * Length * Percentage | * 20px * 100% |
| *padding-right* | * Length * Percentage | * 20px * 100% |
| *padding-top* | * Length * Percentage | * 20px * 100% |

**Text:**

|  |  |  |
| --- | --- | --- |
| **Properties** | **Syntax** | **Description** |
| *Text-align* | * Left * Right * Center * Justify |  |
| *Text-decoration* | * Underline * Overline * Line-through |  |
| *Text-indent* | * Length * Percentage | * 20px * 100% |
| *Text-transform* | * None * Capitalize * Uppercase * Lowercase |  |

**Transition:**

|  |  |  |
| --- | --- | --- |
| **Properties** | **Syntax** | **Description** |
| *Transition* | * [[property]](http://www.htmldog.com/references/css/properties/transition-property/) [[duration]](http://www.htmldog.com/references/css/properties/transition-duration/) [[timing-function]](http://www.htmldog.com/references/css/properties/transition-timing-function/) [[delay]](http://www.htmldog.com/references/css/properties/transition-delay/) | * color .3s linear 1s * color .3s linear 1s, background .2s ease-in 1s, opacity .3s |
| *Transition-delay* | * [time] * [time][time] | * Default (0 sec) * .3s,1s,3s |
| *Transition—duration* | * [time] * [time][time] | * Default (0 sec) * .3s,1s,3s |
| *Transition-property* | * [pro name] * [pro name][pro name] * All | * color * color, opacity,   background   * default |
| *Transition-timing-function* | * ease * linear * ease-in * ease-out * ease-in-out * cubic-bezier()   [numbers](http://www.htmldog.com/references/css/values/number/) — p0, p1, p2, p3.  p1 & p3 between 0 and 1  http://media02.hongkiat.com/css-cubic-bezier/bezier-curve.png   * steps   range ( 0< )  default start and end   * step-start * step-end * [value],[value] | * Default * Constant speed * Steady acceleration * Steady   Deceleration   * Steady   Acceleration  Followed Steady  Deceleration   * cubic-bezier(0.5,1.5,0.5,-0.5) * steps(5,end) * steps(5,start) * steps(5,end) * linear,ease-in ,ease-out |

**List –style:**

|  |  |  |
| --- | --- | --- |
| **Properties** | **Syntax** | **Description** |
| *List-style* | * [type] * [image] * [position] * [type][image] * [type][position] * [image][position] * [type][image][position] | * Square * Url(“”); * Inside * Square url() * Square inside * url() inside * square url() inside |
| *List-style-image* | * [URL] |  |
| *List-style-position* | * Outside * Inside | * default |
| *List-style-type* | * disc * circle * square * decimal * decimal-leading-zero * lower-roman * upper-roman * lower-greek * lower-latin * upper-latin * armenian * georgian * lower-alpha * upper-alpha |  |

**Outline:**

|  |  |  |
| --- | --- | --- |
| **Properties** | **Syntax** | **Description** |
| *Out-line* | * [Width] * [Style] * [Color] * [Width][ style] * [Width][ color] * [Style][ color] * [Width][ style][ color] | * 2px * Solid * Red * 2px solid * 2px red * Solid red * 2px solid red |
| *Outline-color* | * [color] | * Rgb() |
| *Outline-style* | * None * Solid * Dotted * Dashed * Double * Groove * Ridge * Inset * Outset * Hidden | * default |
| *Outline-width* | * [length] | * 10px |

**Animation:**

|  |  |  |
| --- | --- | --- |
| **Properties** | **Syntax** | **Description** |
| *animation* | * animation: [<animation-name> || <animation-duration> || <animation-timing-function> || <animation-delay> || <animation-iteration-count> || <animation-direction> || <animation-fill-mode>] | * animation: bounce 1s ease-in 2s 6 alternate none;   @keyframes bounce{  From{  Top:0px;  Left:200px;  }  To{  Top:200px;  Left:0px;  }  } |
| *Margin-bottom* | * Length * Percentage * Auto | * 20px * 100% |
| *Margin-left* | * Length * Percentage * Auto | * 20px * 100% |
| *Margin-right* | * Length * Percentage * Auto | * 20px * 100% |
| *Margin-top* | * Length * Percentage * Auto | * 20px * 100% |

**Other properties:**

|  |  |  |
| --- | --- | --- |
| **Properties** | **Syntax** | **Description** |
| *Box-shadow* | * none * inset[hori offs][ver offs]   [blur radi][spread distance][color]   * [values],[values] | * Default * inset 5px -5px 10px 10px rgba(0,0,0,0.2) * 2px 2px 3px red, 4px 4px 3px blue |
| *Bottom* | * Length * Percentage * Auto | * 100px * 25% |
| *Caption-side* | * Top * Bottom | * Default |
| *Clear* | * none * left * right * both | * Floated boxes are not cleared * Left-floated boxes are cleared * Right-floated boxes are cleared * All floated boxes are cleared |
| *Clip* | * Rect([top],[right],   [bottom],[left])   * Auto (no clipping) | * Rect(10px,20px,30px,40px) * Default |
| *Color* | * [color] | * Rgb() |
| *Content* | * [string] * [URL] * Open-quote * Close-quote * No-open-quote * No-close-quote * Attr([name]) * Counter([name]) * Counter([name],[style]) * Counter([name][string]   [style])   * [combination] * Normal | * “optimus” * url(“”) * counter(countername) * conter(countername,lower-roman) * counter(countrename,” -”,lower-roman) * all * default |
| *Counter-increment* | * [identifier] * [identifier][integer] * [multi identifiers] | * Countername * Countername 7 * Countername 7   Counter2name 3 |
| *Counter-reset* | * [identifier] * [identifier][integer] * [multi identifiers] | * Countername * Countername 7 * Countername 7   Counter2name 3 |
| *Cursors* | * Default * Crosshair * Help * Move * N-resize * Ne-resize * E-resize * Se-resize * S-resize * Sw-resize * W-resize * Nw-resize * Text * Pointer * Progress * Wait * Auto * [URL],[value] | * Arrow * Plus sign * Question mark * Four way arrow * Up pointing arrow * Up right pointing diagonal arrow * Right pointing arrow * Down right pointing diagonal arrow * Down pointing arrow * Down left pointing diagonal arrow * Left pointing arrow * Up left pointing   Diagonal arrow   * I-beam * Pointing hand * Coupled with timer * Commonly timer * Default * url(“pointer.png”),   auto |
| *Display* | * none * inline * block * inline-block * list-item * table * inline-table * table-row-group * table-header-group * table-footer-group * table-row * table-column-group * table-column * table-cell * table-caption | * default * em and span * div and p * i * li * table * inline level table * tbody * thead * tfoot * tr * colgroup * col * td and th * caption |
| *Empty-cells* | * Hide * Show |  |
| *float* | * None * Left * Right |  |
| *height* | * Length * Percentage * Auto | * 100px * 25% |
| *Left* | * Length * Percentage * Auto | * 100px * 25% |
| *Letter-spacing* | * Length | * 1em |
| *Line-height* | * Number * Length * Percentage | * 1.2 * 1.2em * 120% |
| *Max-height* | * Length * Percentage | * 600px * 40% |
| *Max-width* | * Length * Percentage | * 600px * 40% |
| *Min-height* | * Length * Percentage | * 600px * 40% |
| *Min-width* | * Length * Percentage | * 600px * 40% |
| *Opacity* | * [number]   range(0 to 1)  default 1 | * 0.3 |
| *Orphans* | * [integer]   Should not negative  Default 2 | * 5 |
| *Overflow* | * Visible * Hidden * Scroll * Auto | * default |
| *Page-break-after* | * always * avoid * left * right * auto |  |
| *Page-break-before* | * always * avoid * left * right * auto |  |
| *Page-break-inside* | * avoid * auto |  |
| *Position* | * static * relative * absolute * fixed |  |
| *Quotes* | * [string][string] * [repeating   [string][string]] | * “<<””>>” * “<<” ”>>” ”<” ”>” |
| *Right* | * Length * Percentage * Auto | * 100px * 30% |
| *Table-layout* | * Fixed * Auto |  |
| *Top* | * Length * Percentage * Auto | * 100px * 30% |
| *Transform* | * Rotate([angle]) * skewX([angle]) * skewY([angle]) * skew([angle]) * skew([angle],[angle]) * scaleX([number]) * scaleY([number]) * scale([number]) * scale([num],[num]) * translateX([length]) * translateY([length]) * translate([length]) * translate([len],[len]) * matrix([values])   scale(1,4),skew(2,3),  translate(5,6)   * rotate3d([num],[num],[num],[angle])   (x axis,y axis, a axis ,angle)   * rotateX([angle]) * rotateY([angle]) * rotateZ([angle]) * scale3d([num],[num],[num])   (x aixs, y axis , z axis)   * scaleZ([num]) * translate3d([len],[len],[len]) * translateZ([length]) * matrix3d([values]) * perspective([length]) | * rotate(-45deg) * skewX (25deg) * skewY (45deg) * skew(20deg) * skew(20deg,40deg) * scaleX (2) * scaleY(0.5) * scale(2) * scale(2 ,0.5) * translateX (100px) * translateY(-2em) * translate(100px) * matrix(2.6,0.3,1.9,0.9,205,-48.7) * rotate3d(1,-1,1,45deg) * rotateX(30deg) * rotateY(45dgrad) * rotateZ(1 rad) * scale3d(1,2,3) * scaleZ(3) * translate3d(20px,   30px,40px)   * translateZ(30px) * matrix3d(0.8, 0.3, 0.5, 0, -1, 1.6, 0.6, 0, -0.9, -1.5, 2.4, 0, -40.1, -10.2, 89.9, 1) * perspective(500px) |
| *Transform-origin* | * [length] * [percentage] * Center * Top * Right * Bottom * Left * [value][value] * [value][value][length] | * 100px * 25% * 100px 25% * 50px bottom 25px |
| *Vertical-align* | * [length] * [percentage] * Baseline * Sub * Super * Top * Text-top * Middle * Bottom * Text-bottom | * 10px * 20px |
| *Visibility* | * Visible * Hidden * Collapse |  |
| *White-space* | * Normal * Pre * Nowrap * Pre-wrap * Pre-line |  |
| *Windows* | * [integer]   Without negative | Default 2 |
| *Width* | * [length] * [percentage] | * 20px * 200% |
| *Word-spacing* | * [length] | * 10px |
| *z-index* | * [integer]   Without negative | * 2 |