



## HTML 5 NEW TAG

### TAG NOT SUPPORTED IN HTML 5

<b>&lt;!--...--&gt;</b>	Define a comment
<b>&lt;!DOCTYPE&gt;</b>	Defines the document type
<b>&lt;a&gt;</b>	Defines a hyperlink href, hreflang, media, ping, rel, target, type
<b>&lt;abbr&gt;</b>	Defines an abbreviation
<b>&lt;acronym&gt;</b>	Used to define an embedded acronyms
<b>&lt;address&gt;</b>	Defines an address element
<b>&lt;applet&gt;</b>	Used to define an embedded applet
<b>&lt;area&gt;</b>	Defines an area inside an image map alt, coords, href, hreflang, media, ping, rel, shape, target, type
<b>&lt;article&gt;</b>	Defines an article cite, pubdate
<b>&lt;aside&gt;</b>	Defines content aside from the page content
<b>&lt;audio&gt;</b>	Defines sound content autobuffer, autoplay, controls, src
<b>&lt;b&gt;</b>	Defines bold text
<b>&lt;base&gt;</b>	Defines a base URL for all the links in a page href, target
<b>&lt;basefont&gt;</b>	Used to define a default font-color, font-size, or font-family for all the document
<b>&lt;bdo&gt;</b>	Defines the direction of text display dir
<b>&lt;big&gt;</b>	Used to make text bigger
<b>&lt;blockquote&gt;</b>	Defines a long quotation cite
<b>&lt;body&gt;</b>	Defines the body element
<b>&lt;br&gt;</b>	Inserts a single line break
<b>&lt;button&gt;</b>	Defines a push button autofocus, disabled, form, formaction, formenctype, formmethod, formnovalidate, formtarget, name, type, value
<b>&lt;canvas&gt;</b>	Defines graphics height, width
<b>&lt;caption&gt;</b>	Defines a table caption
<b>&lt;center&gt;</b>	Used to center align text and content
<b>&lt;cite&gt;</b>	Defines a citation
<b>&lt;code&gt;</b>	Defines computer code text autobuffer, autoplay, controls, src
<b>&lt;col&gt;</b>	Defines attributes for table columns
<b>&lt;colgroup&gt;</b>	Defines groups of table columns span
<b>&lt;command&gt;</b>	Defines a command button checked, disabled, icon, label, radiogroup, type

<b>&lt;datalist&gt;</b>	Defines a dropdown list
<b>&lt;dd&gt;</b>	Defines a definition description
<b>&lt;del&gt;</b>	Defines deleted text cite, datetime
<b>&lt;details&gt;</b>	Defines details of an element open
<b>&lt;dialog&gt;</b>	Defines a dialog (conversation)
<b>&lt;dfn&gt;</b>	Defines a definition term
<b>&lt;dir&gt;</b>	Used to define a directory list
<b>&lt;div&gt;</b>	Defines a section in a document
<b>&lt;dl&gt;</b>	Defines a definition list
<b>&lt;dt&gt;</b>	Defines a definition term
<b>&lt;em&gt;</b>	Defines emphasized text
<b>&lt;embed&gt;</b>	Defines external interactive content or plugin height, src, type, width
<b>&lt;fieldset&gt;</b>	Defines a fieldset disabled, form, name
<b>&lt;figure&gt;</b>	Defines a group of media content, and their caption
<b>&lt;font&gt;</b>	Used to define font face, font size, and font color of text
<b>&lt;footer&gt;</b>	Defines a footer for a section or page
<b>&lt;form&gt;</b>	Defines a form accept-charset, action, autocomplete, enctype, method, name, novalidate, target
<b>&lt;frame&gt;</b>	Used to define one particular window (frame) within a frameset
<b>&lt;frameset&gt;</b>	Used to define a frameset, which organized multiple windows (frames)
<b>&lt;h1&gt; to &lt;h6&gt;</b>	Defines header 1 to header 6
<b>&lt;head&gt;</b>	Defines information about the document
<b>&lt;header&gt;</b>	Defines a header for a section or page
<b>&lt;hgroup&gt;</b>	Defines information about a section in a document
<b>&lt;hr&gt;</b>	Defines a horizontal rule
<b>&lt;html&gt;</b>	Defines an html document manifest, xmlns
<b>&lt;i&gt;</b>	Defines italic text
<b>&lt;iframe&gt;</b>	Defines an inline sub window height, name, sandbox, seamless, src, width
<b>&lt;img&gt;</b>	Defines an image alt, src, height, ismap, usemap, width
<b>&lt;input&gt;</b>	Defines an input field accept, alt, autocomplete, autofocus, checked, disabled, form, formaction, formenctype, formmethod, formnovalidate, formtarget, height, list, max, maxlength, min, multiple, name, pattern, placeholder, readonly, required, size, src, step, type, value, width

<b>&lt;ins&gt;</b>	Defines inserted text cite, datetime
<b>&lt;keygen&gt;</b>	Defines a generated key in a form autofocus, challenge, disabled, form, keytype, name
<b>&lt;kbd&gt;</b>	Defines keyboard text
<b>&lt;label&gt;</b>	Defines an inline sub window for, form
<b>&lt;legend&gt;</b>	Defines a title in a fieldset
<b>&lt;li&gt;</b>	Defines a list item value
<b>&lt;link&gt;</b>	Defines a resource reference href, hreflang, media, rel, sizes, type
<b>&lt;map&gt;</b>	Defines an image map name
<b>&lt;mark&gt;</b>	Defines marked text
<b>&lt;menu&gt;</b>	Defines a menu list label, type
<b>&lt;meta&gt;</b>	Defines meta information charset, content, http-equiv, name
<b>&lt;meter&gt;</b>	Defines measurement within a predefined range high, low, max, min, optimum, value
<b>&lt;nav&gt;</b>	Defines navigation links
<b>&lt;noframes&gt;</b>	Used to display text for browsers that do not handle frames
<b>&lt;noscript&gt;</b>	Defines a noscript section
<b>&lt;object&gt;</b>	Defines an embedded object data, form, height, name, type, usemap, width
<b>&lt;ol&gt;</b>	Defines an ordered list reversed, start
<b>&lt;optgroup&gt;</b>	Defines an option group label, disabled
<b>&lt;option&gt;</b>	Defines an option in a drop-down list disabled, label, selected, value
<b>&lt;output&gt;</b>	Defines some types of output for, form, name
<b>&lt;p&gt;</b>	Defines a paragraph
<b>&lt;param&gt;</b>	Defines a parameter for an object name, value
<b>&lt;pre&gt;</b>	Defines preformatted text
<b>&lt;progress&gt;</b>	Defines progress of a task of any kind max, value
<b>&lt;q&gt;</b>	Defines a short quotation cite
<b>&lt;rp&gt;</b>	Used in ruby annotations to define what to show browsers that do not support the ruby element
<b>&lt;rt&gt;</b>	Defines explanation to ruby annotations
<b>&lt;ruby&gt;</b>	Defines ruby annotations
<b>&lt;s&gt;, &lt;strike&gt;</b>	Used to define strikethrough text.

<b>&lt;samp&gt;</b>	Defines sample computer code
<b>&lt;script&gt;</b>	Defines a definition list async, type charset defer, src
<b>&lt;section&gt;</b>	Defines a section cite
<b>&lt;select&gt;</b>	Defines a selectable list autofocus, disabled, form, multiple, name, size
<b>&lt;small&gt;</b>	Defines small text
<b>&lt;source&gt;</b>	Defines media resources media, src, type
<b>&lt;span&gt;</b>	Defines a section in a document
<b>&lt;strong&gt;</b>	Defines strong text
<b>&lt;style&gt;</b>	Defines a style definition type, media, scoped
<b>&lt;sub&gt;, &lt;sup&gt;</b>	Defines sub/super-scripted text
<b>&lt;table&gt;</b>	Defines a table summary
<b>&lt;tbody&gt;</b>	Defines a table body summary
<b>&lt;td&gt;</b>	Defines a table cell colspan, headers, rowspan
<b>&lt;textarea&gt;</b>	Defines a text area autofocus, cols, disabled, form, maxlength, name, placeholder, readonly, required, rows, wrap
<b>&lt;tfoot&gt;, &lt;thead&gt;</b>	Defines a table footer / head
<b>&lt;th&gt;</b>	Defines a table header colspan, headers, rowspan, scope
<b>&lt;time&gt;</b>	Defines a date/tim datetime
<b>&lt;title&gt;</b>	Defines the document title
<b>&lt;tr&gt;</b>	Defines a table row datetime
<b>&lt;tt&gt;</b>	Used to define teletype text
<b>&lt;u&gt;</b>	Used to define underlined text
<b>&lt;ul&gt;</b>	Defines an unordered list
<b>&lt;var&gt;</b>	Defines a variable
<b>&lt;video&gt;</b>	Defines a video autobuffer, autoplay, controls, height, loop, src, width

## HTML5 TAG CHEAT SHEET

Created by WebsiteSetup.org



## Selectors

*	All elements
div	<div>
div *	All elements within <div>
div span	<span> within <div>
div, span	<div> and <span>
div > span	<span> with parent <div>
div + span	<span> preceded by <div>
.class	Elements of class "class"
div.class	<div> of class "class"
#itemid	Element with id "itemid"
div#itemid	<div> with id "itemid"
a[attr]	<a> with attribute "attr"
a[attr='x']	<a> when "attr" is "x"
a[class~='x']	<a> when class is a list containing 'x'
a[lang = 'en']	<a> when lang begins "en"

## Pseudo-Selectors and Pseudo-Classes

:first-child	First child element
:first-line	First line of element
:first-letter	First letter of element
:hover	Element with mouse over
:active	Active element
:focus	Element with focus
:link	Unvisited links
:visited	Visited links
:lang(var)	Element with language "var"
:before	Before element
:after	After element

## Sizes and Colours

0	0 requires no unit
<b>Relative Sizes</b>	
em	1em equal to font size of parent (same as 100%)
ex	Height of lower case "x"
%	Percentage

### Absolute Sizes

px	Pixels
cm	Centimeters
mm	Millimeters
in	Inches
pt	1pt = 1/72in
pc	1pc = 12pt

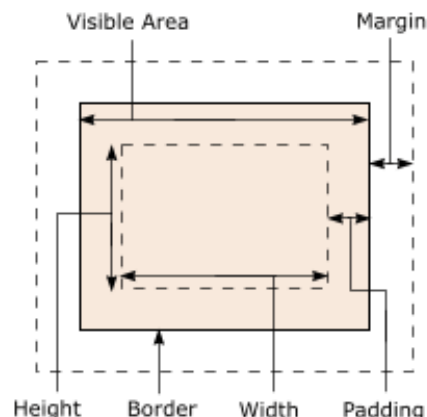
### Colours

#789abc	RGB Hex Notation
#acf	Equates to "#aaccff"
rgb(0,25,50)	Value of each of red, green, and blue. 0 to 255, may be swapped for percentages.

### Note

Shorthand properties are marked **x**  
Properties that inherit are marked **+**

## Box Model



## Positioning

display	clear
position	z-index
top	direction +
right	unicode-bidi
bottom	overflow
left	clip
float	visibility

## Dimensions

width	min-height
min-width	max-height
max-width	vertical-align
height	

## Color / Background

color +	background-repeat
background x	background-image
background-color	background-position
background-attachment	

## Text

text-indent +	word-spacing +
text-align +	text-transform +
text-decoration	white-space +
text-shadow	line-height +
letter-spacing +	

## Fonts

font + x	font-weight +
font-family +	font-stretch +
font-style +	font-size +
font-variant +	font-size-adjust +

## Boxes

margin x	border-color x
margin-top	border-top-color
margin-right	border-right-color
margin-bottom	border-bottom-color
margin-left	border-left-color
padding x	border-style x
padding-top	border-top-style
padding-right	border-right-style
padding-bottom	border-bottom-style
padding-left	border-left-style
border x	border-width x
border-top x	border-top-width
border-bottom x	border-right-width
border-right x	border-bottom-width
border-left x	border-left-width

## Tables

caption-side +	border-spacing +
table-layout	empty-cells +
border-collapse +	caption-header +

## Paging

size	page-break-inside +
marks	page +
page-break-before	orphans +
page-break-after	widows +

## Interface

cursor +	outline-style
outline x	outline-color
outline-width	

## Aural

volume +	elevation
speak +	speech-rate
pause x	voice-family
pause-before	pitch
pause-after	pitch-range
cue x	stress
cue-before	richness
cue-after	speak-punctuation
play-during	speak-numeral
azimuth +	

## Miscellaneous

content	list-style-type +
quotes +	list-style-image +
counter-reset	list-style-position +
counter-increment	marker-offset
list-style + x	

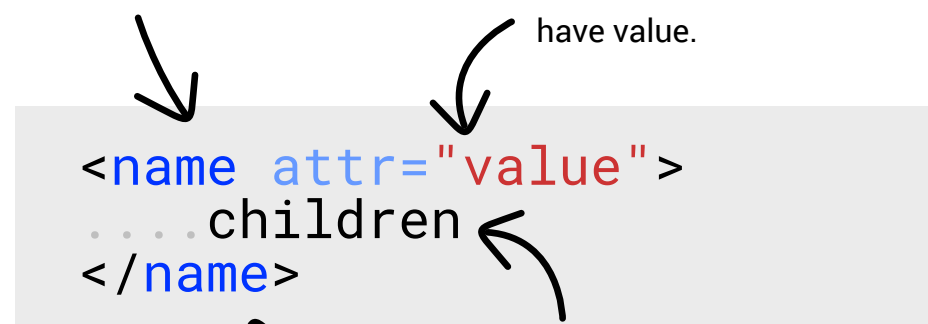
## ① Syntax to write an HTML element

### Opening Tag

Every element has an opening tag with the name of the element at its start.

### Attribute and its value (optional)

Attributes are like options of an element. Attributes have value.



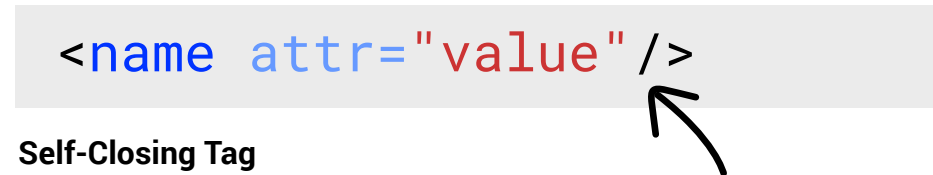
```
<name attr="value">
...children
</name>
```

### Closing Tag

A closing tag has the name of the element with a forward slash "/" before it.

### Children (optional)

Between the opening and closing tags are the children of the element. This can be more elements or just plain text.



```
<name attr="value" />
```

### Self-Closing Tag

Some elements that do not have children do not need a closing tag. In this case a forward-slash "/" is added to the element's opening tag to denote a self-closing tag.

Some examples of self-closing elements are:

**img, br, hr, meta, input ....**

## ② Basic markup of every HTML page



```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>
      ...page title here
    </title>
  </head>
  <body>
    ...
    page content
    goes here
  </body>
</html>
```

### Code Formatting

For good code formatting, remember to indent the children by 2 or 4 spaces.

## ③ Commonly used HTML elements

**headers:**  
<h1> ... <h6>

<p>

<i> <strong>

<a>

<div>

<span>

### lists:

<ul> <ol> <li>

### Special formatting

<blockquote> <pre>

### multimedia:

<img /> <video>

<audio>

### separators:

<hr /> <br />

## ① Syntax to write CSS

### Selectors

The element(s) on which the style should be applied

### Property and its value

This is the actual style to be applied to the element(s)



```
selectors {  
    ...property: value;  
}
```

## ② 3 places to write CSS

### (A) Inline styles

```
<element style="property: value;">
```

### (B) In the <style> element

```
<head>  
    ...<style>  
        ... selectors { property: value; }  
    ...</style>  
</head>
```

### (C) In a dedicated file (style.css) & refer that file via the <link> element

```
<head>  
    ...<link rel="stylesheet"  
        href="style.css" />  
</head>
```

## ③ Selectors and their syntax

### Basic Selectors

```
elementname  
.classname  
#idname  
[attr=value]  
*
```

### Combinators

selectorA + selectorB	Adjacent sibling
selectorA ~ selectorB	General sibling
parent > child	Direct child
parent descendant	Descendent

### Pseudo Selectors

```
:active  
:hover  
:visited  
:focus
```

## ④ Common CSS properties (by group)

### TEXT:

```
color  
font  
font-family  
font-size  
font-weight  
letter-spacing  
line-height  
text-align  
text-decoration  
text-indent  
text-transform  
vertical-align
```

### LIST:

```
list-style  
list-style-image  
list-style-position  
list-style-type
```

### BACKGROUND:

```
background  
background-attachment  
background-color  
background-image  
background-position  
background-repeat
```

### DISPLAY:

```
display  
float  
clear  
overflow  
visibility
```

### OTHER:

```
cursor
```

### margin

### border

### padding

### content

### BOX:

```
border  
border-color  
border-style  
border-width  
height  
margin  
padding  
width  
box-sizing
```

### POSITION:

```
position  
top  
bottom  
left  
right  
z-index
```