

HTML 5 TAG REFERENCE



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

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

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

<samp>	Defines sample computer code
<script>	Defines a definition list async, type charset defer, src
★ <section>	Defines a section cite
<select>	Defines a selectable list autofocus, disabled, form, multiple, name, size
<small>	Defines small text
★ <source>	Defines media resources media, src, type
<span>	Defines a section in a document
<strong>	Defines strong text
<style>	Defines a style definition type, media, scoped
<sub>, <sup>	Defines sub/super-scripted text
<table>	Defines a table summary
<tbody>	Defines a table body summary
<td>	Defines a table cell colspan, headers, rowspan
<textarea>	Defines a text area autofocus, cols, disabled, form, maxlength, name, placeholder, readonly, required, rows, wrap
<tfoot>, <thead>	Defines a table footer / head
<th>	Defines a table header colspan, headers, rowspan, scope
<time>	Defines a date/tim datetime
<title>	Defines the document title
<tr>	Defines a table row datetime
* <tt>	Used to define teletype text
* <u>	Used to define underlined text
<ul>	Defines an unordered list
<var>	Defines a variable
★ <video>	Defines a video autobuffer, autoplay, controls, height, loop, src, width
★	HTML 5 new tag
*	Tag not supported in HTML 5

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## Boxes

margin \*  
margin-top  
margin-right  
margin-bottom  
margin-left

padding \*  
padding-top  
padding-right  
padding-bottom  
padding-left

border \*  
border-top \*  
border-bottom \*  
border-right \*  
border-left \*

border-color \*  
border-top-color  
border-right-color  
border-bottom-color  
border-left-color

border-style \*  
border-top-style  
border-right-style  
border-bottom-style  
border-left-style

border-width \*  
border-top-width  
border-right-width  
border-bottom-width  
border-left-width

## Positioning

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

## Dimensions

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

## Miscellaneous

content  
quotes  
counter-reset  
counter-increment  
marker-offset  
list-style \*  
list-style-type  
list-style-image  
list-style-position

Shorthand properties  
are marked with \*



## SYNTAX

```
/* Comment */  
@media type {  
  selector {  
    property: values;  
  }  
}  
                                     (Media type optional)
```

## SELECTORS

	Styles apply to:
*	All elements
div	<div>
div *	Elements within <div>
div span	<span> within <div>
div, span	<div> and <span>
div > span	<span> with <div> as parent
div + span	<span> preceded by <div> ... </div>
.class	Elements of class "class"
div.class	<div> of class "class"
#itemid	Element with id "itemid"
div#itemid	<div> with id "itemid"
a[class]	<a> with class attribute
a[class='x']	<a> when class is "x"
a[class~='x']	<a> when class is a list of space-separated values and one of those is 'x'
a[lang]='en']	<a> when lang begins with "en"

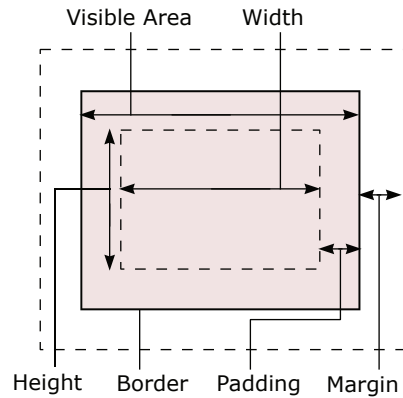
## PSEUDO-SELECTORS

	Styles apply to:
:first-child	First child of element
:first-line	First line of element
:first-letter	First letter of element
:hover	Element when mouse over
:active	Active element
:focus	Element with focus
:link	Non-active, unvisited links without mouse over.
:visited	Visited links
:lang(lang)	Element with text of language "lang"

## MEDIA TYPES (@media)

all	projection
braille	screen
embossed	speech
handheld	tty
print	tv

## BOX MODEL



## UNITS

px	Pixels
em	1em equal to font size of parent (same as 100%)
ex	Height of lower case "x"
%	Percentage
in	Inches
cm	Centimeters
mm	Millimeters
pt	1pt = 1/72in
pc	1pc = 12pt
#789abc	RGB Hex Notation
#acf	Equates to "#aacfff"
rgb(0,25,50)	Value (0 to 255) of each of red, green, and blue. May also be percentages
0	0 requires no unit

## PROPERTIES THAT INHERIT

azimuth	list-style
border-collapse	list-style-image
border-spacing	list-style-position
caption-side	list-style-type
color	orphans
cursor	page
direction	page-break-inside
empty-cells	quotes
font	speak
font-family	speak-header
font-stretch	text-align
font-size	text-indent
font-size-adjust	text-transform
font-style	volume
font-variant	white-space
font-weight	widows
letter-spacing	word-spacing
line-height	

## Paging

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

## Color / Background

color  
\* background  
background-color  
background-image  
background-repeat  
background-attachment  
background-position

## Fonts

\* font  
font-family  
font-style  
font-variant  
font-weight  
font-stretch  
font-size  
font-size-adjust

## Text

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

## Tables

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

## Interface

cursor  
\* outline  
outline-width  
outline-style  
outline-color

## Aural

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

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## Methods

### Object

toString  
toLocaleString  
valueOf  
hasOwnProperty  
isPrototypeOf  
propertyIsEnumerable

### String

charAt  
charCodeAt  
fromCharCode  
concat  
indexOf  
lastIndexOf  
localeCompare  
match  
replace  
search  
slice  
split  
substring  
substr  
toLowerCase  
toUpperCase  
toLocaleLowerCase  
toLocaleUpperCase

### RegExp

test  
match  
exec

### Array

concat  
join  
push  
pop  
reverse  
shift  
slice  
sort  
splice  
unshift

### Number

toFixed  
toExponential  
toPrecision

### Date

parse  
toDate  
toISOString  
getTime  
getDate  
getDay  
getFullYear  
getHours  
getMilliseconds  
getMinutes  
getMonth  
getSeconds  
getTime  
getTimezoneOffset  
getYear  
setDate  
setHours  
setMilliseconds  
setMinutes  
setMonth  
setSeconds  
setYear  
toLocaleTimeString

# JavaScript

## XMLHttpRequest

### Safari, Mozilla, Opera:

```
var req = new XMLHttpRequest();
```

### Internet Explorer:

```
var req = new  
ActiveXObject("Microsoft.XMLHTTP");
```

## XMLHttpRequest Object Methods

```
abort()  
getAllResponseHeaders()  
getResponseHeader(header)  
open(method, URL)  
send(body)  
setRequestHeader(header, value)
```

## XMLHttpRequest Object Properties

```
onreadystatechange  
readyState  
responseText  
responseXML  
status  
statusText
```

## XMLHttpRequest readyState Values

0	Uninitiated
1	Loading
2	Loaded
3	Interactive
4	Complete

## JAVASCRIPT IN HTML

### External JavaScript File

```
<script type="text/javascript"  
src="javascript.js"></script>
```

### Inline JavaScript

```
<script type="text/javascript">  
  <!--  
    // JavaScript Here  
  //-->  
</script>
```

## Functions

### Window

```
alert  
blur  
clearTimeout  
close  
focus  
open  
print  
setTimeout
```

### Built In

```
eval  
parseInt  
parseFloat  
isNaN  
isFinite  
decodeURI  
decodeURIComponent  
encodeURIComponent  
encodeURIComponent  
escape  
unescape
```

## REGULAR EXPRESSIONS - FORMAT

Regular expressions in JavaScript take the form:

```
var RegEx = /pattern/modifiers;
```

## REGULAR EXPRESSIONS - MODIFIERS

/g	Global matching
/i	Case insensitive
/s	Single line mode
/m	Multi line mode

## REGULAR EXPRESSIONS - PATTERNS

^	Start of string
\$	End of string
.	Any single character
(a b)	a or b
(...)	Group section
[abc]	Item in range (a or b or c)
[^abc]	Not in range (not a or b or c)
a?	Zero or one of a
a*	Zero or more of a
a+	One or more of a
a{3}	Exactly 3 of a
a{3,}	3 or more of a
a{3,6}	Between 3 and 6 of a
!(pattern)	"Not" prefix. Apply rule when URL does not match pattern.

## EVENT HANDLERS

onAbort	onMouseDown
onBlur	onMouseMove
onChange	onMouseOut
onClick	onMouseOver
ondblclick	onMouseUp
ondragdrop	onMove
onError	onReset
onFocus	onResize
onKeyDown	onSelect
onKeyPress	onSubmit
onKeyUp	onUnload
onLoad	

## FUNCTIONS AND METHODS

A method is a type of function, associated with an object. A normal function is not associated with an object.

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## DOM Methods

### Document

```
clear  
createDocument  
createDocumentFragment  
createElement  
createEvent  
createEventObject  
createRange  
createTextNode  
getElementsByName  
getElementById  
write
```

### Node

```
addEventListener  
appendChild  
attachEvent  
cloneNode  
createTextRange  
detachEvent  
dispatchEvent  
fireEvent  
getAttributeNS  
getAttributeNode  
hasChildNodes  
hasAttribute  
hasAttributes  
insertBefore  
removeChild  
removeEventListener  
replaceChild  
scrollIntoView
```

### Form

```
submit
```

### DOM Collections

```
item
```

### Range

```
collapse  
createContextualFragment  
moveEnd  
moveStart  
parentElement  
select  
setStartBefore
```

### Style

```
getPropertyValue  
setProperty
```

### Event

```
initEvent  
preventDefault  
stopPropagation
```

### XMLSerializer

```
serializeToString
```

### XMLHTTP

```
open  
send
```

### XMLDOM

```
loadXML
```

### DOMParser

```
parseFromString
```