Ordered Alphabetically

= Tag added in HTML5.

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<!--...-->](http://www.w3schools.com/tags/tag_comment.asp) | Defines a comment |
| [<!DOCTYPE>](http://www.w3schools.com/tags/tag_doctype.asp) | Defines the document type |
| [<a>](http://www.w3schools.com/tags/tag_a.asp) | Defines a hyperlink |
| [<abbr>](http://www.w3schools.com/tags/tag_abbr.asp) | Defines an abbreviation |
| [<acronym>](http://www.w3schools.com/tags/tag_acronym.asp) | Not supported in HTML5. Use <abbr> instead. Defines an acronym |
| [<address>](http://www.w3schools.com/tags/tag_address.asp) | Defines contact information for the author/owner of a document |
| [<applet>](http://www.w3schools.com/tags/tag_applet.asp) | Not supported in HTML5. Use <object> instead. Defines an embedded applet |
| [<area>](http://www.w3schools.com/tags/tag_area.asp) | Defines an area inside an image-map |
| [<article>](http://www.w3schools.com/tags/tag_article.asp) | Defines an article |
| [<aside>](http://www.w3schools.com/tags/tag_aside.asp) | Defines content aside from the page content |
| [<audio>](http://www.w3schools.com/tags/tag_audio.asp) | Defines sound content |
| [<b>](http://www.w3schools.com/tags/tag_b.asp) | Defines bold text |
| [<base>](http://www.w3schools.com/tags/tag_base.asp) | Specifies the base URL/target for all relative URLs in a document |
| [<basefont>](http://www.w3schools.com/tags/tag_basefont.asp) | Not supported in HTML5. Use CSS instead. Specifies a default color, size, and font for all text in a document |
| [<bdi>](http://www.w3schools.com/tags/tag_bdi.asp) | Isolates a part of text that might be formatted in a different direction from other text outside it |
| [<bdo>](http://www.w3schools.com/tags/tag_bdo.asp) | Overrides the current text direction |
| [<big>](http://www.w3schools.com/tags/tag_big.asp) | Not supported in HTML5. Use CSS instead. Defines big text |
| [<blockquote>](http://www.w3schools.com/tags/tag_blockquote.asp) | Defines a section that is quoted from another source |
| [<body>](http://www.w3schools.com/tags/tag_body.asp) | Defines the document's body |
| [<br>](http://www.w3schools.com/tags/tag_br.asp) | Defines a single line break |
| [<button>](http://www.w3schools.com/tags/tag_button.asp) | Defines a clickable button |
| [<canvas>](http://www.w3schools.com/tags/tag_canvas.asp) | Used to draw graphics, on the fly, via scripting (usually JavaScript) |
| [<caption>](http://www.w3schools.com/tags/tag_caption.asp) | Defines a table caption |
| [<center>](http://www.w3schools.com/tags/tag_center.asp) | Not supported in HTML5. Use CSS instead. Defines centered text |
| [<cite>](http://www.w3schools.com/tags/tag_cite.asp) | Defines the title of a work |
| [<code>](http://www.w3schools.com/tags/tag_code.asp) | Defines a piece of computer code |
| [<col>](http://www.w3schools.com/tags/tag_col.asp) | Specifies column properties for each column within a <colgroup> element |
| [<colgroup>](http://www.w3schools.com/tags/tag_colgroup.asp) | Specifies a group of one or more columns in a table for formatting |
| [<command>](http://www.w3schools.com/tags/tag_command.asp) | Defines a command button that a user can invoke |
| [<datalist>](http://www.w3schools.com/tags/tag_datalist.asp) | Specifies a list of pre-defined options for input controls |
| [<dd>](http://www.w3schools.com/tags/tag_dd.asp) | Defines a description/value of a term in a description list |
| [<del>](http://www.w3schools.com/tags/tag_del.asp) | Defines text that has been deleted from a document |
| [<details>](http://www.w3schools.com/tags/tag_details.asp) | Defines additional details that the user can view or hide |
| [<dfn>](http://www.w3schools.com/tags/tag_dfn.asp) | Defines a definition term |
| [<dialog>](http://www.w3schools.com/tags/tag_dialog.asp) | Defines a dialog box or window |
| [<dir>](http://www.w3schools.com/tags/tag_dir.asp) | Not supported in HTML5. Use <ul> instead. Defines a directory list |
| [<div>](http://www.w3schools.com/tags/tag_div.asp) | Defines a section in a document |
| [<dl>](http://www.w3schools.com/tags/tag_dl.asp) | Defines a description list |
| [<dt>](http://www.w3schools.com/tags/tag_dt.asp) | Defines a term/name in a description list |
| [<em>](http://www.w3schools.com/tags/tag_em.asp) | Defines emphasized text |
| [<embed>](http://www.w3schools.com/tags/tag_embed.asp) | Defines a container for an external (non-HTML) application |
| [<fieldset>](http://www.w3schools.com/tags/tag_fieldset.asp) | Groups related elements in a form |
| [<figcaption>](http://www.w3schools.com/tags/tag_figcaption.asp) | Defines a caption for a <figure> element |
| [<figure>](http://www.w3schools.com/tags/tag_figure.asp) | Specifies self-contained content |
| [<font>](http://www.w3schools.com/tags/tag_font.asp) | Not supported in HTML5. Use CSS instead. Defines font, color, and size for text |
| [<footer>](http://www.w3schools.com/tags/tag_footer.asp) | Defines a footer for a document or section |
| [<form>](http://www.w3schools.com/tags/tag_form.asp) | Defines an HTML form for user input |
| [<frame>](http://www.w3schools.com/tags/tag_frame.asp) | Not supported in HTML5. Defines a window (a frame) in a frameset |
| [<frameset>](http://www.w3schools.com/tags/tag_frameset.asp) | Not supported in HTML5. Defines a set of frames |
| [<h1> to <h6>](http://www.w3schools.com/tags/tag_hn.asp) | Defines HTML headings |
| [<head>](http://www.w3schools.com/tags/tag_head.asp) | Defines information about the document |
| [<header>](http://www.w3schools.com/tags/tag_header.asp) | Defines a header for a document or section |
| [<hr>](http://www.w3schools.com/tags/tag_hr.asp) | Defines a thematic change in the content |
| [<html>](http://www.w3schools.com/tags/tag_html.asp) | Defines the root of an HTML document |
| [<i>](http://www.w3schools.com/tags/tag_i.asp) | Defines a part of text in an alternate voice or mood |
| [<iframe>](http://www.w3schools.com/tags/tag_iframe.asp) | Defines an inline frame |
| [<img>](http://www.w3schools.com/tags/tag_img.asp) | Defines an image |
| [<input>](http://www.w3schools.com/tags/tag_input.asp) | Defines an input control |
| [<ins>](http://www.w3schools.com/tags/tag_ins.asp) | Defines a text that has been inserted into a document |
| [<kbd>](http://www.w3schools.com/tags/tag_kbd.asp) | Defines keyboard input |
| [<keygen>](http://www.w3schools.com/tags/tag_keygen.asp) | Defines a key-pair generator field (for forms) |
| [<label>](http://www.w3schools.com/tags/tag_label.asp) | Defines a label for an <input> element |
| [<legend>](http://www.w3schools.com/tags/tag_legend.asp) | Defines a caption for a <fieldset> element |
| [<li>](http://www.w3schools.com/tags/tag_li.asp) | Defines a list item |
| [<link>](http://www.w3schools.com/tags/tag_link.asp) | Defines the relationship between a document and an external resource (most used to link to style sheets) |
| [<main>](http://www.w3schools.com/tags/tag_main.asp) | Specifies the main content of a document |
| [<map>](http://www.w3schools.com/tags/tag_map.asp) | Defines a client-side image-map |
| [<mark>](http://www.w3schools.com/tags/tag_mark.asp) | Defines marked/highlighted text |
| [<menu>](http://www.w3schools.com/tags/tag_menu.asp) | Defines a list/menu of commands |
| [<meta>](http://www.w3schools.com/tags/tag_meta.asp) | Defines metadata about an HTML document |
| [<meter>](http://www.w3schools.com/tags/tag_meter.asp) | Defines a scalar measurement within a known range (a gauge) |
| [<nav>](http://www.w3schools.com/tags/tag_nav.asp) | Defines navigation links |
| [<noframes>](http://www.w3schools.com/tags/tag_noframes.asp) | Not supported in HTML5. Defines an alternate content for users that do not support frames |
| [<noscript>](http://www.w3schools.com/tags/tag_noscript.asp) | Defines an alternate content for users that do not support client-side scripts |
| [<object>](http://www.w3schools.com/tags/tag_object.asp) | Defines an embedded object |
| [<ol>](http://www.w3schools.com/tags/tag_ol.asp) | Defines an ordered list |
| [<optgroup>](http://www.w3schools.com/tags/tag_optgroup.asp) | Defines a group of related options in a drop-down list |
| [<option>](http://www.w3schools.com/tags/tag_option.asp) | Defines an option in a drop-down list |
| [<output>](http://www.w3schools.com/tags/tag_output.asp) | Defines the result of a calculation |
| [<p>](http://www.w3schools.com/tags/tag_p.asp) | Defines a paragraph |
| [<param>](http://www.w3schools.com/tags/tag_param.asp) | Defines a parameter for an object |
| [<pre>](http://www.w3schools.com/tags/tag_pre.asp) | Defines preformatted text |
| [<progress>](http://www.w3schools.com/tags/tag_progress.asp) | Represents the progress of a task |
| [<q>](http://www.w3schools.com/tags/tag_q.asp) | Defines a short quotation |
| [<rp>](http://www.w3schools.com/tags/tag_rp.asp) | Defines what to show in browsers that do not support ruby annotations |
| [<rt>](http://www.w3schools.com/tags/tag_rt.asp) | Defines an explanation/pronunciation of characters (for East Asian typography) |
| [<ruby>](http://www.w3schools.com/tags/tag_ruby.asp) | Defines a ruby annotation (for East Asian typography) |
| [<s>](http://www.w3schools.com/tags/tag_s.asp) | Defines text that is no longer correct |
| [<samp>](http://www.w3schools.com/tags/tag_samp.asp) | Defines sample output from a computer program |
| [<script>](http://www.w3schools.com/tags/tag_script.asp) | Defines a client-side script |
| [<section>](http://www.w3schools.com/tags/tag_section.asp) | Defines a section in a document |
| [<select>](http://www.w3schools.com/tags/tag_select.asp) | Defines a drop-down list |
| [<small>](http://www.w3schools.com/tags/tag_small.asp) | Defines smaller text |
| [<source>](http://www.w3schools.com/tags/tag_source.asp) | Defines multiple media resources for media elements (<video> and <audio>) |
| [<span>](http://www.w3schools.com/tags/tag_span.asp) | Defines a section in a document |
| [<strike>](http://www.w3schools.com/tags/tag_strike.asp) | Not supported in HTML5. Use <del> instead. Defines strikethrough text |
| [<strong>](http://www.w3schools.com/tags/tag_strong.asp) | Defines important text |
| [<style>](http://www.w3schools.com/tags/tag_style.asp) | Defines style information for a document |
| [<sub>](http://www.w3schools.com/tags/tag_sub.asp) | Defines subscripted text |
| [<summary>](http://www.w3schools.com/tags/tag_summary.asp) | Defines a visible heading for a <details> element |
| [<sup>](http://www.w3schools.com/tags/tag_sup.asp) | Defines superscripted text |
| [<table>](http://www.w3schools.com/tags/tag_table.asp) | Defines a table |
| [<tbody>](http://www.w3schools.com/tags/tag_tbody.asp) | Groups the body content in a table |
| [<td>](http://www.w3schools.com/tags/tag_td.asp) | Defines a cell in a table |
| [<textarea>](http://www.w3schools.com/tags/tag_textarea.asp) | Defines a multiline input control (text area) |
| [<tfoot>](http://www.w3schools.com/tags/tag_tfoot.asp) | Groups the footer content in a table |
| [<th>](http://www.w3schools.com/tags/tag_th.asp) | Defines a header cell in a table |
| [<thead>](http://www.w3schools.com/tags/tag_thead.asp) | Groups the header content in a table |
| [<time>](http://www.w3schools.com/tags/tag_time.asp) | Defines a date/time |
| [<title>](http://www.w3schools.com/tags/tag_title.asp) | Defines a title for the document |
| [<tr>](http://www.w3schools.com/tags/tag_tr.asp) | Defines a row in a table |
| [<track>](http://www.w3schools.com/tags/tag_track.asp) | Defines text tracks for media elements (<video> and <audio>) |
| [<tt>](http://www.w3schools.com/tags/tag_tt.asp) | Not supported in HTML5. Use CSS instead. Defines teletype text |
| [<u>](http://www.w3schools.com/tags/tag_u.asp) | Defines text that should be stylistically different from normal text |
| [<ul>](http://www.w3schools.com/tags/tag_ul.asp) | Defines an unordered list |
| [<var>](http://www.w3schools.com/tags/tag_var.asp) | Defines a variable |
| [<video>](http://www.w3schools.com/tags/tag_video.asp) | Defines a video or movie |
| [<wbr>](http://www.w3schools.com/tags/tag_wbr.asp) | Defines a possible line-break |

# HTML Reference - (HTML5 Compliant)

[« Previous](http://www.w3schools.com/tags/default.asp)

[Next Reference »](http://www.w3schools.com/tags/ref_standardattributes.asp)

## Ordered by Function

= Tag added in HTML5.

|  |  |
| --- | --- |
| **Tag** | **Description** |
| **Basic** |  |
| [<!DOCTYPE>](http://www.w3schools.com/tags/tag_doctype.asp) | Defines the document type |
| [<html>](http://www.w3schools.com/tags/tag_html.asp) | Defines an HTML document |
| [<title>](http://www.w3schools.com/tags/tag_title.asp) | Defines a title for the document |
| [<body>](http://www.w3schools.com/tags/tag_body.asp) | Defines the document's body |
| [<h1> to <h6>](http://www.w3schools.com/tags/tag_hn.asp) | Defines HTML headings |
| [<p>](http://www.w3schools.com/tags/tag_p.asp) | Defines a paragraph |
| [<br>](http://www.w3schools.com/tags/tag_br.asp) | Inserts a single line break |
| [<hr>](http://www.w3schools.com/tags/tag_hr.asp) | Defines a thematic change in the content |
| [<!--...-->](http://www.w3schools.com/tags/tag_comment.asp) | Defines a comment |
| **Formatting** |  |
| [<acronym>](http://www.w3schools.com/tags/tag_acronym.asp) | Not supported in HTML5. Use <abbr> instead. Defines an acronym |
| [<abbr>](http://www.w3schools.com/tags/tag_abbr.asp) | Defines an abbreviation |
| [<address>](http://www.w3schools.com/tags/tag_address.asp) | Defines contact information for the author/owner of a document/article |
| [<b>](http://www.w3schools.com/tags/tag_b.asp) | Defines bold text |
| [<bdi>](http://www.w3schools.com/tags/tag_bdi.asp) | Isolates a part of text that might be formatted in a different direction from other text outside it |
| [<bdo>](http://www.w3schools.com/tags/tag_bdo.asp) | Overrides the current text direction |
| [<big>](http://www.w3schools.com/tags/tag_big.asp) | Not supported in HTML5. Use CSS instead. Defines big text |
| [<blockquote>](http://www.w3schools.com/tags/tag_blockquote.asp) | Defines a section that is quoted from another source |
| [<center>](http://www.w3schools.com/tags/tag_center.asp) | Not supported in HTML5. Use CSS instead. Defines centered text |
| [<cite>](http://www.w3schools.com/tags/tag_cite.asp) | Defines the title of a work |
| [<code>](http://www.w3schools.com/tags/tag_code.asp) | Defines a piece of computer code |
| [<del>](http://www.w3schools.com/tags/tag_del.asp) | Defines text that has been deleted from a document |
| [<dfn>](http://www.w3schools.com/tags/tag_dfn.asp) | Defines a definition term |
| [<em>](http://www.w3schools.com/tags/tag_em.asp) | Defines emphasized text |
| [<font>](http://www.w3schools.com/tags/tag_font.asp) | Not supported in HTML5. Use CSS instead. Defines font, color, and size for text |
| [<i>](http://www.w3schools.com/tags/tag_i.asp) | Defines a part of text in an alternate voice or mood |
| [<ins>](http://www.w3schools.com/tags/tag_ins.asp) | Defines a text that has been inserted into a document |
| [<kbd>](http://www.w3schools.com/tags/tag_kbd.asp) | Defines keyboard input |
| [<mark>](http://www.w3schools.com/tags/tag_mark.asp) | Defines marked/highlighted text |
| [<meter>](http://www.w3schools.com/tags/tag_meter.asp) | Defines a scalar measurement within a known range (a gauge) |
| [<pre>](http://www.w3schools.com/tags/tag_pre.asp) | Defines preformatted text |
| [<progress>](http://www.w3schools.com/tags/tag_progress.asp) | Represents the progress of a task |
| [<q>](http://www.w3schools.com/tags/tag_q.asp) | Defines a short quotation |
| [<rp>](http://www.w3schools.com/tags/tag_rp.asp) | Defines what to show in browsers that do not support ruby annotations |
| [<rt>](http://www.w3schools.com/tags/tag_rt.asp) | Defines an explanation/pronunciation of characters (for East Asian typography) |
| [<ruby>](http://www.w3schools.com/tags/tag_ruby.asp) | Defines a ruby annotation (for East Asian typography) |
| [<s>](http://www.w3schools.com/tags/tag_s.asp) | Defines text that is no longer correct |
| [<samp>](http://www.w3schools.com/tags/tag_samp.asp) | Defines sample output from a computer program |
| [<small>](http://www.w3schools.com/tags/tag_small.asp) | Defines smaller text |
| [<strike>](http://www.w3schools.com/tags/tag_strike.asp) | Not supported in HTML5. Use <del> instead. Defines strikethrough text |
| [<strong>](http://www.w3schools.com/tags/tag_strong.asp) | Defines important text |
| [<sub>](http://www.w3schools.com/tags/tag_sub.asp) | Defines subscripted text |
| [<sup>](http://www.w3schools.com/tags/tag_sup.asp) | Defines superscripted text |
| [<time>](http://www.w3schools.com/tags/tag_time.asp) | Defines a date/time |
| [<tt>](http://www.w3schools.com/tags/tag_tt.asp) | Not supported in HTML5. Use CSS instead. Defines teletype text |
| [<u>](http://www.w3schools.com/tags/tag_u.asp) | Defines text that should be stylistically different from normal text |
| [<var>](http://www.w3schools.com/tags/tag_var.asp) | Defines a variable |
| [<wbr>](http://www.w3schools.com/tags/tag_wbr.asp) | Defines a possible line-break |
| **Forms** |  |
| [<form>](http://www.w3schools.com/tags/tag_form.asp) | Defines an HTML form for user input |
| [<input>](http://www.w3schools.com/tags/tag_input.asp) | Defines an input control |
| [<textarea>](http://www.w3schools.com/tags/tag_textarea.asp) | Defines a multiline input control (text area) |
| [<button>](http://www.w3schools.com/tags/tag_button.asp) | Defines a clickable button |
| [<select>](http://www.w3schools.com/tags/tag_select.asp) | Defines a drop-down list |
| [<optgroup>](http://www.w3schools.com/tags/tag_optgroup.asp) | Defines a group of related options in a drop-down list |
| [<option>](http://www.w3schools.com/tags/tag_option.asp) | Defines an option in a drop-down list |
| [<label>](http://www.w3schools.com/tags/tag_label.asp) | Defines a label for an <input> element |
| [<fieldset>](http://www.w3schools.com/tags/tag_fieldset.asp) | Groups related elements in a form |
| [<legend>](http://www.w3schools.com/tags/tag_legend.asp) | Defines a caption for a <fieldset> element |
| [<datalist>](http://www.w3schools.com/tags/tag_datalist.asp) | Specifies a list of pre-defined options for input controls |
| [<keygen>](http://www.w3schools.com/tags/tag_keygen.asp) | Defines a key-pair generator field (for forms) |
| [<output>](http://www.w3schools.com/tags/tag_output.asp) | Defines the result of a calculation |
| **Frames** |  |
| [<frame>](http://www.w3schools.com/tags/tag_frame.asp) | Not supported in HTML5. Defines a window (a frame) in a frameset |
| [<frameset>](http://www.w3schools.com/tags/tag_frameset.asp) | Not supported in HTML5. Defines a set of frames |
| [<noframes>](http://www.w3schools.com/tags/tag_noframes.asp) | Not supported in HTML5. Defines an alternate content for users that do not support frames |
| [<iframe>](http://www.w3schools.com/tags/tag_iframe.asp) | Defines an inline frame |
| **Images** |  |
| [<img>](http://www.w3schools.com/tags/tag_img.asp) | Defines an image |
| [<map>](http://www.w3schools.com/tags/tag_map.asp) | Defines a client-side image-map |
| [<area>](http://www.w3schools.com/tags/tag_area.asp) | Defines an area inside an image-map |
| [<canvas>](http://www.w3schools.com/tags/tag_canvas.asp) | Used to draw graphics, on the fly, via scripting (usually JavaScript) |
| [<figcaption>](http://www.w3schools.com/tags/tag_figcaption.asp) | Defines a caption for a <figure> element |
| [<figure>](http://www.w3schools.com/tags/tag_figure.asp) | Specifies self-contained content |
| **Audio/Video** |  |
| [<audio>](http://www.w3schools.com/tags/tag_audio.asp) | Defines sound content |
| [<source>](http://www.w3schools.com/tags/tag_source.asp) | Defines multiple media resources for media elements (<video> and <audio>) |
| [<track>](http://www.w3schools.com/tags/tag_track.asp) | Defines text tracks for media elements (<video> and <audio>) |
| [<video>](http://www.w3schools.com/tags/tag_video.asp) | Defines a video or movie |
| **Links** |  |
| [<a>](http://www.w3schools.com/tags/tag_a.asp) | Defines a hyperlink |
| [<link>](http://www.w3schools.com/tags/tag_link.asp) | Defines the relationship between a document and an external resource (most used to link to style sheets) |
| [<nav>](http://www.w3schools.com/tags/tag_nav.asp) | Defines navigation links |
| **Lists** |  |
| [<ul>](http://www.w3schools.com/tags/tag_ul.asp) | Defines an unordered list |
| [<ol>](http://www.w3schools.com/tags/tag_ol.asp) | Defines an ordered list |
| [<li>](http://www.w3schools.com/tags/tag_li.asp) | Defines a list item |
| [<dir>](http://www.w3schools.com/tags/tag_dir.asp) | Not supported in HTML5. Use <ul> instead. Defines a directory list |
| [<dl>](http://www.w3schools.com/tags/tag_dl.asp) | Defines a description list |
| [<dt>](http://www.w3schools.com/tags/tag_dt.asp) | Defines a term/name in a description list |
| [<dd>](http://www.w3schools.com/tags/tag_dd.asp) | Defines a description of a term/name in a description list |
| [<menu>](http://www.w3schools.com/tags/tag_menu.asp) | Defines a list/menu of commands |
| [<command>](http://www.w3schools.com/tags/tag_command.asp) | Defines a command button that a user can invoke |
| **Tables** |  |
| [<table>](http://www.w3schools.com/tags/tag_table.asp) | Defines a table |
| [<caption>](http://www.w3schools.com/tags/tag_caption.asp) | Defines a table caption |
| [<th>](http://www.w3schools.com/tags/tag_th.asp) | Defines a header cell in a table |
| [<tr>](http://www.w3schools.com/tags/tag_tr.asp) | Defines a row in a table |
| [<td>](http://www.w3schools.com/tags/tag_td.asp) | Defines a cell in a table |
| [<thead>](http://www.w3schools.com/tags/tag_thead.asp) | Groups the header content in a table |
| [<tbody>](http://www.w3schools.com/tags/tag_tbody.asp) | Groups the body content in a table |
| [<tfoot>](http://www.w3schools.com/tags/tag_tfoot.asp) | Groups the footer content in a table |
| [<col>](http://www.w3schools.com/tags/tag_col.asp) | Specifies column properties for each column within a <colgroup> element |
| [<colgroup>](http://www.w3schools.com/tags/tag_colgroup.asp) | Specifies a group of one or more columns in a table for formatting |
| **Style/Sections** |  |
| [<style>](http://www.w3schools.com/tags/tag_style.asp) | Defines style information for a document |
| [<div>](http://www.w3schools.com/tags/tag_div.asp) | Defines a section in a document |
| [<span>](http://www.w3schools.com/tags/tag_span.asp) | Defines a section in a document |
| [<header>](http://www.w3schools.com/tags/tag_header.asp) | Defines a header for a document or section |
| [<footer>](http://www.w3schools.com/tags/tag_footer.asp) | Defines a footer for a document or section |
| [<section>](http://www.w3schools.com/tags/tag_section.asp) | Defines a section in a document |
| [<article>](http://www.w3schools.com/tags/tag_article.asp) | Defines an article |
| [<aside>](http://www.w3schools.com/tags/tag_aside.asp) | Defines content aside from the page content |
| [<details>](http://www.w3schools.com/tags/tag_details.asp) | Defines additional details that the user can view or hide |
| [<dialog>](http://www.w3schools.com/tags/tag_dialog.asp) | Defines a dialog box or window |
| [<summary>](http://www.w3schools.com/tags/tag_summary.asp) | Defines a visible heading for a <details> element |
| **Meta Info** |  |
| [<head>](http://www.w3schools.com/tags/tag_head.asp) | Defines information about the document |
| [<meta>](http://www.w3schools.com/tags/tag_meta.asp) | Defines metadata about an HTML document |
| [<base>](http://www.w3schools.com/tags/tag_base.asp) | Specifies the base URL/target for all relative URLs in a document |
| [<basefont>](http://www.w3schools.com/tags/tag_basefont.asp) | Not supported in HTML5. Use CSS instead. Specifies a default color, size, and font for all text in a document |
| **Programming** |  |
| [<script>](http://www.w3schools.com/tags/tag_script.asp) | Defines a client-side script |
| [<noscript>](http://www.w3schools.com/tags/tag_noscript.asp) | Defines an alternate content for users that do not support client-side scripts |
| [<applet>](http://www.w3schools.com/tags/tag_applet.asp) | Not supported in HTML5. Use <object> instead. Defines an embedded applet |
| [<embed>](http://www.w3schools.com/tags/tag_embed.asp) | Defines a container for an external (non-HTML) application |
| [<object>](http://www.w3schools.com/tags/tag_object.asp) | Defines an embedded object |
| [<param>](http://www.w3schools.com/tags/tag_param.asp) | Defines a parameter for an object |

[« Previous](http://www.w3schools.com/tags/default.asp)

[Next Reference »](http://www.w3schools.com/tags/ref_standardattributes.asp)

# HTML Global Attributes

[« Previous](http://www.w3schools.com/tags/ref_byfunc.asp)

[Next Reference »](http://www.w3schools.com/tags/ref_eventattributes.asp)

HTML attributes give elements meaning and context.

The global attributes below can be used on **any** HTML element.

## HTML Global Attributes

= Attribute added in HTML5.

|  |  |
| --- | --- |
| **Attribute** | **Description** |
| [accesskey](http://www.w3schools.com/tags/att_global_accesskey.asp) | Specifies a shortcut key to activate/focus an element |
| [class](http://www.w3schools.com/tags/att_global_class.asp) | Specifies one or more classnames for an element (refers to a class in a style sheet) |
| [contenteditable](http://www.w3schools.com/tags/att_global_contenteditable.asp) | Specifies whether the content of an element is editable or not |
| [contextmenu](http://www.w3schools.com/tags/att_global_contextmenu.asp) | Specifies a context menu for an element. The context menu appears when a user right-clicks on the element |
| [data-\*](http://www.w3schools.com/tags/att_global_data.asp) | Used to store custom data private to the page or application |
| [dir](http://www.w3schools.com/tags/att_global_dir.asp) | Specifies the text direction for the content in an element |
| [draggable](http://www.w3schools.com/tags/att_global_draggable.asp) | Specifies whether an element is draggable or not |
| [dropzone](http://www.w3schools.com/tags/att_global_dropzone.asp) | Specifies whether the dragged data is copied, moved, or linked, when dropped |
| [hidden](http://www.w3schools.com/tags/att_global_hidden.asp) | Specifies that an element is not yet, or is no longer, relevant |
| [id](http://www.w3schools.com/tags/att_global_id.asp) | Specifies a unique id for an element |
| [lang](http://www.w3schools.com/tags/att_global_lang.asp) | Specifies the language of the element's content |
| [spellcheck](http://www.w3schools.com/tags/att_global_spellcheck.asp) | Specifies whether the element is to have its spelling and grammar checked or not |
| [style](http://www.w3schools.com/tags/att_global_style.asp) | Specifies an inline CSS style for an element |
| [tabindex](http://www.w3schools.com/tags/att_global_tabindex.asp) | Specifies the tabbing order of an element |
| [title](http://www.w3schools.com/tags/att_global_title.asp) | Specifies extra information about an element |
| [translate](http://www.w3schools.com/tags/att_global_translate.asp) | Specifies whether the content of an element should be translated or not |

# HTML Event Attributes

[« Previous](http://www.w3schools.com/tags/ref_standardattributes.asp)

[Next Reference »](http://www.w3schools.com/tags/ref_canvas.asp)

## Global Event Attributes

HTML 4 added the ability to let events trigger actions in a browser, like starting a JavaScript when a user clicks on an element.

To learn more about programming events, please visit our [JavaScript tutorial](http://www.w3schools.com/js/default.asp).

Below are the global event attributes that can be added to HTML elements to define event actions.

= New event attributes in HTML5.

## Window Event Attributes

Events triggered for the window object (applies to the <body> tag):

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | **Description** |
| [onafterprint](http://www.w3schools.com/tags/ev_onafterprint.asp) | *script* | Script to be run after the document is printed |
| [onbeforeprint](http://www.w3schools.com/tags/ev_onbeforeprint.asp) | *script* | Script to be run before the document is printed |
| onbeforeunload | *script* | Script to be run before the document is unloaded |
| onerror | *script* | Script to be run when an error occur |
| onhaschange | *script* | Script to be run when the document has changed |
| [onload](http://www.w3schools.com/tags/ev_onload.asp) | *script* | Fires after the page is finished loading |
| onmessage | *script* | Script to be run when the message is triggered |
| onoffline | *script* | Script to be run when the document goes offline |
| ononline | *script* | Script to be run when the document comes online |
| onpagehide | *script* | Script to be run when the window is hidden |
| onpageshow | *script* | Script to be run when the window becomes visible |
| onpopstate | *script* | Script to be run when the window's history changes |
| onredo | *script* | Script to be run when the document performs a redo |
| [onresize](http://www.w3schools.com/tags/ev_onresize.asp) | *script* | Fires when the browser window is resized |
| onstorage | *script* | Script to be run when a Web Storage area is updated |
| onundo | *script* | Script to be run when the document performs an undo |
| [onunload](http://www.w3schools.com/tags/ev_onunload.asp) | *script* | Fires once a page has unloaded (or the browser window has been closed) |

## Form Events

Events triggered by actions inside a HTML form (applies to almost all HTML elements, but is most used in form elements):

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | **Description** |
| [onblur](http://www.w3schools.com/tags/ev_onblur.asp) | *script* | Fires the moment that the element loses focus |
| [onchange](http://www.w3schools.com/tags/ev_onchange.asp) | *script* | Fires the moment when the value of the element is changed |
| oncontextmenu | *script* | Script to be run when a context menu is triggered |
| [onfocus](http://www.w3schools.com/tags/ev_onfocus.asp) | *script* | Fires the moment when the element gets focus |
| onformchange | *script* | Script to be run when a form changes |
| onforminput | *script* | Script to be run when a form gets user input |
| oninput | *script* | Script to be run when an element gets user input |
| oninvalid | *script* | Script to be run when an element is invalid |
| onreset | *script* | Fires when the Reset button in a form is clicked Not supported in HTML5 |
| [onselect](http://www.w3schools.com/tags/ev_onselect.asp) | *script* | Fires after some text has been selected in an element |
| [onsubmit](http://www.w3schools.com/tags/ev_onsubmit.asp) | *script* | Fires when a form is submitted |

## Keyboard Events

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | **Description** |
| [onkeydown](http://www.w3schools.com/tags/ev_onkeydown.asp) | *script* | Fires when a user is pressing a key |
| [onkeypress](http://www.w3schools.com/tags/ev_onkeypress.asp) | *script* | Fires when a user presses a key |
| [onkeyup](http://www.w3schools.com/tags/ev_onkeyup.asp) | *script* | Fires when a user releases a key |

## Mouse Events

Events triggered by a mouse, or similar user actions:

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | **Description** |
| [onclick](http://www.w3schools.com/tags/ev_onclick.asp) | *script* | Fires on a mouse click on the element |
| [ondblclick](http://www.w3schools.com/tags/ev_ondblclick.asp) | *script* | Fires on a mouse double-click on the element |
| ondrag | *script* | Script to be run when an element is dragged |
| ondragend | *script* | Script to be run at the end of a drag operation |
| ondragenter | *script* | Script to be run when an element has been dragged to a valid drop target |
| ondragleave | *script* | Script to be run when an element leaves a valid drop target |
| ondragover | *script* | Script to be run when an element is being dragged over a valid drop target |
| ondragstart | *script* | Script to be run at the start of a drag operation |
| ondrop | *script* | Script to be run when dragged element is being dropped |
| [onmousedown](http://www.w3schools.com/tags/ev_onmousedown.asp) | *script* | Fires when a mouse button is pressed down on an element |
| [onmousemove](http://www.w3schools.com/tags/ev_onmousemove.asp) | *script* | Fires when the mouse pointer moves over an element |
| [onmouseout](http://www.w3schools.com/tags/ev_onmouseout.asp) | *script* | Fires when the mouse pointer moves out of an element |
| [onmouseover](http://www.w3schools.com/tags/ev_onmouseover.asp) | *script* | Fires when the mouse pointer moves over an element |
| [onmouseup](http://www.w3schools.com/tags/ev_onmouseup.asp) | *script* | Fires when a mouse button is released over an element |
| onmousewheel | *script* | Script to be run when the mouse wheel is being rotated |
| onscroll | *script* | Script to be run when an element's scrollbar is being scrolled |

## Media Events

Events triggered by medias like videos, images and audio (applies to all HTML elements, but is most common in media elements, like <audio>, <embed>, <img>, <object>, and <video>):

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | **Description** |
| onabort | *script* | Script to be run on abort |
| oncanplay | *script* | Script to be run when a file is ready to start playing (when it has buffered enough to begin) |
| oncanplaythrough | *script* | Script to be run when a file can be played all the way to the end without pausing for buffering |
| ondurationchange | *script* | Script to be run when the length of the media changes |
| onemptied | *script* | Script to be run when something bad happens and the file is suddenly unavailable (like unexpectedly disconnects) |
| onended | *script* | Script to be run when the media has reach the end (a useful event for messages like "thanks for listening") |
| onerror | *script* | Script to be run when an error occurs when the file is being loaded |
| onloadeddata | *script* | Script to be run when media data is loaded |
| onloadedmetadata | *script* | Script to be run when meta data (like dimensions and duration) are loaded |
| onloadstart | *script* | Script to be run just as the file begins to load before anything is actually loaded |
| onpause | *script* | Script to be run when the media is paused either by the user or programmatically |
| onplay | *script* | Script to be run when the media is ready to start playing |
| onplaying | *script* | Script to be run when the media actually has started playing |
| onprogress | *script* | Script to be run when the browser is in the process of getting the media data |
| onratechange | *script* | Script to be run each time the playback rate changes (like when a user switches to a slow motion or fast forward mode) |
| onreadystatechange | *script* | Script to be run each time the ready state changes (the ready state tracks the state of the media data) |
| onseeked | *script* | Script to be run when the seeking attribute is set to false indicating that seeking has ended |
| onseeking | *script* | Script to be run when the seeking attribute is set to true indicating that seeking is active |
| onstalled | *script* | Script to be run when the browser is unable to fetch the media data for whatever reason |
| onsuspend | *script* | Script to be run when fetching the media data is stopped before it is completely loaded for whatever reason |
| ontimeupdate | *script* | Script to be run when the playing position has changed (like when the user fast forwards to a different point in the media) |
| onvolumechange | *script* | Script to be run each time the volume is changed which (includes setting the volume to "mute") |
| onwaiting | *script* | Script to be run when the media has paused but is expected to resume (like when the media pauses to buffer more data) |

[« Previous](http://www.w3schools.com/tags/ref_standardattributes.asp)

[Next Reference »](http://www.w3schools.com/tags/ref_canvas.asp)

# HTML Canvas Reference

[« Previous](http://www.w3schools.com/tags/ref_eventattributes.asp)

[Next Reference »](http://www.w3schools.com/tags/ref_av_dom.asp)

## Description

The HTML5 <canvas> tag is used to draw graphics, on the fly, via scripting (usually JavaScript).

However, the <canvas> element has no drawing abilities of its own (it is only a container for graphics) - you must use a script to actually draw the graphics.

The getContext() method returns an object that provides methods and properties for drawing on the canvas.

This reference will cover the properties and methods of the getContext("2d") object, which can be used to draw text, lines, boxes, circles, and more - on the canvas.

## Browser Support

Internet Explorer Firefox Opera Google Chrome Safari

Internet Explorer 9, Firefox, Opera, Chrome, and Safari support <canvas> and its properties and methods.

**Note:** Internet Explorer 8 and earlier versions, do not support the <canvas> element.

## Colors, Styles, and Shadows

|  |  |
| --- | --- |
| **Property** | **Description** |
| [fillStyle](http://www.w3schools.com/tags/canvas_fillstyle.asp) | Sets or returns the color, gradient, or pattern used to fill the drawing |
| [strokeStyle](http://www.w3schools.com/tags/canvas_strokestyle.asp) | Sets or returns the color, gradient, or pattern used for strokes |
| [shadowColor](http://www.w3schools.com/tags/canvas_shadowcolor.asp) | Sets or returns the color to use for shadows |
| [shadowBlur](http://www.w3schools.com/tags/canvas_shadowblur.asp) | Sets or returns the blur level for shadows |
| [shadowOffsetX](http://www.w3schools.com/tags/canvas_shadowoffsetx.asp) | Sets or returns the horizontal distance of the shadow from the shape |
| [shadowOffsetY](http://www.w3schools.com/tags/canvas_shadowoffsety.asp) | Sets or returns the vertical distance of the shadow from the shape |

|  |  |
| --- | --- |
| **Method** | **Description** |
| [createLinearGradient()](http://www.w3schools.com/tags/canvas_createlineargradient.asp) | Creates a linear gradient (to use on canvas content) |
| [createPattern()](http://www.w3schools.com/tags/canvas_createpattern.asp) | Repeats a specified element in the specified direction |
| [createRadialGradient()](http://www.w3schools.com/tags/canvas_createradialgradient.asp) | Creates a radial/circular gradient (to use on canvas content) |
| [addColorStop()](http://www.w3schools.com/tags/canvas_addcolorstop.asp) | Specifies the colors and stop positions in a gradient object |

## Line Styles

|  |  |
| --- | --- |
| **Property** | **Description** |
| [lineCap](http://www.w3schools.com/tags/canvas_linecap.asp) | Sets or returns the style of the end caps for a line |
| [lineJoin](http://www.w3schools.com/tags/canvas_linejoin.asp) | Sets or returns the type of corner created, when two lines meet |
| [lineWidth](http://www.w3schools.com/tags/canvas_linewidth.asp) | Sets or returns the current line width |
| [miterLimit](http://www.w3schools.com/tags/canvas_miterlimit.asp) | Sets or returns the maximum miter length |

## Rectangles

|  |  |
| --- | --- |
| **Method** | **Description** |
| [rect()](http://www.w3schools.com/tags/canvas_rect.asp) | Creates a rectangle |
| [fillRect()](http://www.w3schools.com/tags/canvas_fillrect.asp) | Draws a "filled" rectangle |
| [strokeRect()](http://www.w3schools.com/tags/canvas_strokerect.asp) | Draws a rectangle (no fill) |
| [clearRect()](http://www.w3schools.com/tags/canvas_clearrect.asp) | Clears the specified pixels within a given rectangle |

## Paths

|  |  |
| --- | --- |
| **Method** | **Description** |
| [fill()](http://www.w3schools.com/tags/canvas_fill.asp) | Fills the current drawing (path) |
| [stroke()](http://www.w3schools.com/tags/canvas_stroke.asp) | Actually draws the path you have defined |
| [beginPath()](http://www.w3schools.com/tags/canvas_beginpath.asp) | Begins a path, or resets the current path |
| [moveTo()](http://www.w3schools.com/tags/canvas_moveto.asp) | Moves the path to the specified point in the canvas, without creating a line |
| [closePath()](http://www.w3schools.com/tags/canvas_closepath.asp) | Creates a path from the current point back to the starting point |
| [lineTo()](http://www.w3schools.com/tags/canvas_lineto.asp) | Adds a new point and creates a line from that point to the last specified point in the canvas |
| [clip()](http://www.w3schools.com/tags/canvas_clip.asp) | Clips a region of any shape and size from the original canvas |
| [quadraticCurveTo()](http://www.w3schools.com/tags/canvas_quadraticcurveto.asp) | Creates a quadratic Bézier curve |
| [bezierCurveTo()](http://www.w3schools.com/tags/canvas_beziercurveto.asp) | Creates a cubic Bézier curve |
| [arc()](http://www.w3schools.com/tags/canvas_arc.asp) | Creates an arc/curve (used to create circles, or parts of circles) |
| [arcTo()](http://www.w3schools.com/tags/canvas_arcto.asp) | Creates an arc/curve between two tangents |
| [isPointInPath()](http://www.w3schools.com/tags/canvas_ispointinpath.asp) | Returns true if the specified point is in the current path, otherwise false |

## Transformations

|  |  |
| --- | --- |
| **Method** | **Description** |
| [scale()](http://www.w3schools.com/tags/canvas_scale.asp) | Scales the current drawing bigger or smaller |
| [rotate()](http://www.w3schools.com/tags/canvas_rotate.asp) | Rotates the current drawing |
| [translate()](http://www.w3schools.com/tags/canvas_translate.asp) | Remaps the (0,0) position on the canvas |
| [transform()](http://www.w3schools.com/tags/canvas_transform.asp) | Replaces the current transformation matrix for the drawing |
| [setTransform()](http://www.w3schools.com/tags/canvas_settransform.asp) | Resets the current transform to the identity matrix. Then runs [transform()](http://www.w3schools.com/tags/canvas_transform.asp) |

## Text

|  |  |
| --- | --- |
| **Property** | **Description** |
| [font](http://www.w3schools.com/tags/canvas_font.asp) | Sets or returns the current font properties for text content |
| [textAlign](http://www.w3schools.com/tags/canvas_textalign.asp) | Sets or returns the current alignment for text content |
| [textBaseline](http://www.w3schools.com/tags/canvas_textbaseline.asp) | Sets or returns the current text baseline used when drawing text |

|  |  |
| --- | --- |
| **Method** | **Description** |
| [fillText()](http://www.w3schools.com/tags/canvas_filltext.asp) | Draws "filled" text on the canvas |
| [strokeText()](http://www.w3schools.com/tags/canvas_stroketext.asp) | Draws text on the canvas (no fill) |
| [measureText()](http://www.w3schools.com/tags/canvas_measuretext.asp) | Returns an object that contains the width of the specified text |

## Image Drawing

|  |  |
| --- | --- |
| **Method** | **Description** |
| [drawImage()](http://www.w3schools.com/tags/canvas_drawimage.asp) | Draws an image, canvas, or video onto the canvas |

## Pixel Manipulation

|  |  |
| --- | --- |
| **Property** | **Description** |
| [width](http://www.w3schools.com/tags/canvas_imagedata_width.asp) | Returns the width of an ImageData object |
| [height](http://www.w3schools.com/tags/canvas_imagedata_height.asp) | Returns the height of an ImageData object |
| [data](http://www.w3schools.com/tags/canvas_imagedata_data.asp) | Returns an object that contains image data of a specified ImageData object |

|  |  |
| --- | --- |
| **Method** | **Description** |
| [createImageData()](http://www.w3schools.com/tags/canvas_createimagedata.asp) | Creates a new, blank ImageData object |
| [getImageData()](http://www.w3schools.com/tags/canvas_getimagedata.asp) | Returns an ImageData object that copies the pixel data for the specified rectangle on a canvas |
| [putImageData()](http://www.w3schools.com/tags/canvas_putimagedata.asp) | Puts the image data (from a specified ImageData object) back onto the canvas |

## Compositing

|  |  |
| --- | --- |
| **Property** | **Description** |
| [globalAlpha](http://www.w3schools.com/tags/canvas_globalalpha.asp) | Sets or returns the current alpha or transparency value of the drawing |
| [globalCompositeOperation](http://www.w3schools.com/tags/canvas_globalcompositeoperation.asp) | Sets or returns how a new image are drawn onto an existing image |

## Other

|  |  |
| --- | --- |
| **Method** | **Description** |
| save() | Saves the state of the current context |
| restore() | Returns previously saved path state and attributes |
| createEvent() |  |
| getContext() |  |
| toDataURL() |  |

[« Previous](http://www.w3schools.com/tags/ref_eventattributes.asp)

# HTML Audio/Video DOM Reference

[« Previous](http://www.w3schools.com/tags/ref_canvas.asp)

[Next Reference »](http://www.w3schools.com/tags/ref_html_dtd.asp)

## HTML Audio and Video DOM Reference

The HTML5 DOM has methods, properties, and events for the <audio> and <video> elements.

These methods, properties, and events allow you to manipulate <audio> and <video> elements using JavaScript.

## HTML Audio/Video Methods

|  |  |
| --- | --- |
| **Method** | **Description** |
| [addTextTrack()](http://www.w3schools.com/tags/av_met_addtexttrack.asp) | Adds a new text track to the audio/video |
| [canPlayType()](http://www.w3schools.com/tags/av_met_canplaytype.asp) | Checks if the browser can play the specified audio/video type |
| [load()](http://www.w3schools.com/tags/av_met_load.asp) | Re-loads the audio/video element |
| [play()](http://www.w3schools.com/tags/av_met_play.asp) | Starts playing the audio/video |
| [pause()](http://www.w3schools.com/tags/av_met_pause.asp) | Pauses the currently playing audio/video |

## HTML Audio/Video Properties

|  |  |
| --- | --- |
| **Property** | **Description** |
| [audioTracks](http://www.w3schools.com/tags/av_prop_audiotracks.asp) | Returns an AudioTrackList object representing available audio tracks |
| [autoplay](http://www.w3schools.com/tags/av_prop_autoplay.asp) | Sets or returns if the audio/video should start playing as soon as it is loaded |
| [buffered](http://www.w3schools.com/tags/av_prop_buffered.asp) | Returns a TimeRanges object representing the buffered parts of the audio/video |
| [controller](http://www.w3schools.com/tags/av_prop_controller.asp) | Returns the MediaController object representing the current media controller of the audio/video |
| [controls](http://www.w3schools.com/tags/av_prop_controls.asp) | Sets or returns if the audio/video should display controls (like play/pause etc.) |
| crossOrigin | Sets or returns the CORS settings of the audio/video |
| [currentSrc](http://www.w3schools.com/tags/av_prop_currentsrc.asp) | Returns the URL of the current audio/video |
| [currentTime](http://www.w3schools.com/tags/av_prop_currenttime.asp) | Sets or returns the current playback position in the audio/video (in seconds) |
| [defaultMuted](http://www.w3schools.com/tags/av_prop_defaultmuted.asp) | Sets or returns if the audio/video is muted by default |
| [defaultPlaybackRate](http://www.w3schools.com/tags/av_prop_defaultplaybackrate.asp) | Sets or returns the default speed of the audio/video playback |
| [duration](http://www.w3schools.com/tags/av_prop_duration.asp) | Returns the length of the current audio/video (in seconds) |
| [ended](http://www.w3schools.com/tags/av_prop_ended.asp) | Returns if the playback of the audio/video has ended or not |
| [error](http://www.w3schools.com/tags/av_prop_error.asp) | Returns a MediaError object representing the error state of the audio/video |
| [loop](http://www.w3schools.com/tags/av_prop_loop.asp) | Sets or returns if the audio/video should start over again when finished |
| [mediaGroup](http://www.w3schools.com/tags/av_prop_mediagroup.asp) | Sets or returns a the group the audio/video belongs to (used to link multiple audio/video elements) |
| [muted](http://www.w3schools.com/tags/av_prop_muted.asp) | Sets or returns if the audio/video is muted or not |
| [networkState](http://www.w3schools.com/tags/av_prop_networkstate.asp) | Returns the current network state of the audio/video |
| [paused](http://www.w3schools.com/tags/av_prop_paused.asp) | Sets or returns if the audio/video is paused or not |
| [playbackRate](http://www.w3schools.com/tags/av_prop_playbackrate.asp) | Sets or returns the speed of the audio/video playback |
| [played](http://www.w3schools.com/tags/av_prop_played.asp) | Returns a TimeRanges object representing the played parts of the audio/video |
| [preload](http://www.w3schools.com/tags/av_prop_preload.asp) | Sets or returns if the audio/video should be loaded when the page loads |
| [readyState](http://www.w3schools.com/tags/av_prop_readystate.asp) | Returns the current ready state of the audio/video |
| [seekable](http://www.w3schools.com/tags/av_prop_seekable.asp) | Returns a TimeRanges object representing the seekable parts of the audio/video |
| [seeking](http://www.w3schools.com/tags/av_prop_seeking.asp) | Returns if the user is currently seeking in the audio/video |
| [src](http://www.w3schools.com/tags/av_prop_src.asp) | Sets or returns the current source of the audio/video element |
| [startDate](http://www.w3schools.com/tags/av_prop_startdate.asp) | Returns a Date object representing the current time offset |
| [textTracks](http://www.w3schools.com/tags/av_prop_texttracks.asp) | Returns a TextTrackList object representing the available text tracks |
| [videoTracks](http://www.w3schools.com/tags/av_prop_videotracks.asp) | Returns a VideoTrackList object representing the available video tracks |
| [volume](http://www.w3schools.com/tags/av_prop_volume.asp) | Sets or returns the volume of the audio/video |

## HTML Audio/Video Events

|  |  |
| --- | --- |
| **Event** | **Description** |
| abort | Fires when the loading of an audio/video is aborted |
| [canplay](http://www.w3schools.com/tags/av_event_canplay.asp) | Fires when the browser can start playing the audio/video |
| [canplaythrough](http://www.w3schools.com/tags/av_event_canplaythrough.asp) | Fires when the browser can play through the audio/video without stopping for buffering |
| [durationchange](http://www.w3schools.com/tags/av_event_durationchange.asp) | Fires when the duration of the audio/video is changed |
| emptied | Fires when the current playlist is empty |
| ended | Fires when the current playlist is ended |
| error | Fires when an error occurred during the loading of an audio/video |
| [loadeddata](http://www.w3schools.com/tags/av_event_loadeddata.asp) | Fires when the browser has loaded the current frame of the audio/video |
| [loadedmetadata](http://www.w3schools.com/tags/av_event_loadedmetadata.asp) | Fires when the browser has loaded meta data for the audio/video |
| [loadstart](http://www.w3schools.com/tags/av_event_loadstart.asp) | Fires when the browser starts looking for the audio/video |
| pause | Fires when the audio/video has been paused |
| play | Fires when the audio/video has been started or is no longer paused |
| playing | Fires when the audio/video is ready to play after having been paused or stopped for buffering |
| [progress](http://www.w3schools.com/tags/av_event_progress.asp) | Fires when the browser is downloading the audio/video |
| ratechange | Fires when the playing speed of the audio/video is changed |
| seeked | Fires when the user is finished moving/skipping to a new position in the audio/video |
| seeking | Fires when the user starts moving/skipping to a new position in the audio/video |
| stalled | Fires when the browser is trying to get media data, but data is not available |
| suspend | Fires when the browser is intentionally not getting media data |
| timeupdate | Fires when the current playback position has changed |
| volumechange | Fires when the volume has been changed |
| waiting | Fires when the video stops because it needs to buffer the next frame |

[« Previous](http://www.w3schools.com/tags/ref_canvas.asp)

[Next Reference »](http://www.w3schools.com/tags/ref_html_dtd.asp)

# HTML Elements and Valid DOCTYPES

[« Previous](http://www.w3schools.com/tags/ref_av_dom.asp)

[Next Reference »](http://www.w3schools.com/tags/ref_colornames.asp)

## HTML Elements - Valid DOCTYPES

The table below lists all HTML elements, and shows what [!DOCTYPE](http://www.w3schools.com/tags/tag_doctype.asp) each element appears in.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | **HTML 4.01 / XHTML 1.0** | | |  |
| **Tag** | **HTML5** | **Transitional** | **Strict** | **Frameset** | **XHTML 1.1** |
| [<a>](http://www.w3schools.com/tags/tag_a.asp) | Yes | Yes | Yes | Yes | Yes |
| [<abbr>](http://www.w3schools.com/tags/tag_abbr.asp) | Yes | Yes | Yes | Yes | Yes |
| [<acronym>](http://www.w3schools.com/tags/tag_acronym.asp) | No | Yes | Yes | Yes | Yes |
| [<address>](http://www.w3schools.com/tags/tag_address.asp) | Yes | Yes | Yes | Yes | Yes |
| [<applet>](http://www.w3schools.com/tags/tag_applet.asp) | No | Yes | No | Yes | No |
| [<area>](http://www.w3schools.com/tags/tag_area.asp) | Yes | Yes | Yes | Yes | No |
| [<article>](http://www.w3schools.com/tags/tag_article.asp) | Yes | No | No | No | No |
| [<aside>](http://www.w3schools.com/tags/tag_aside.asp) | Yes | No | No | No | No |
| [<audio>](http://www.w3schools.com/tags/tag_audio.asp) | Yes | No | No | No | No |
| [<b>](http://www.w3schools.com/tags/tag_b.asp) | Yes | Yes | Yes | Yes | Yes |
| [<base>](http://www.w3schools.com/tags/tag_base.asp) | Yes | Yes | Yes | Yes | Yes |
| [<basefont>](http://www.w3schools.com/tags/tag_basefont.asp) | No | Yes | No | Yes | No |
| [<bdi>](http://www.w3schools.com/tags/tag_bdi.asp) | Yes | No | No | No | No |
| [<bdo>](http://www.w3schools.com/tags/tag_bdo.asp) | Yes | Yes | Yes | Yes | No |
| [<big>](http://www.w3schools.com/tags/tag_big.asp) | No | Yes | Yes | Yes | Yes |
| [<blockquote>](http://www.w3schools.com/tags/tag_blockquote.asp) | Yes | Yes | Yes | Yes | Yes |
| [<body>](http://www.w3schools.com/tags/tag_body.asp) | Yes | Yes | Yes | Yes | Yes |
| [<br>](http://www.w3schools.com/tags/tag_br.asp) | Yes | Yes | Yes | Yes | Yes |
| [<button>](http://www.w3schools.com/tags/tag_button.asp) | Yes | Yes | Yes | Yes | Yes |
| [<canvas>](http://www.w3schools.com/tags/tag_canvas.asp) | Yes | No | No | No | No |
| [<caption>](http://www.w3schools.com/tags/tag_caption.asp) | Yes | Yes | Yes | Yes | Yes |
| [<center>](http://www.w3schools.com/tags/tag_center.asp) | No | Yes | No | Yes | No |
| [<cite>](http://www.w3schools.com/tags/tag_cite.asp) | Yes | Yes | Yes | Yes | Yes |
| [<code>](http://www.w3schools.com/tags/tag_phrase_elements.asp) | Yes | Yes | Yes | Yes | Yes |
| [<col>](http://www.w3schools.com/tags/tag_col.asp) | Yes | Yes | Yes | Yes | No |
| [<colgroup>](http://www.w3schools.com/tags/tag_colgroup.asp) | Yes | Yes | Yes | Yes | No |
| [<command>](http://www.w3schools.com/tags/tag_command.asp) | Yes | No | No | No | No |
| [<datalist>](http://www.w3schools.com/tags/tag_datalist.asp) | Yes | No | No | No | No |
| [<dd>](http://www.w3schools.com/tags/tag_dd.asp) | Yes | Yes | Yes | Yes | Yes |
| [<del>](http://www.w3schools.com/tags/tag_del.asp) | Yes | Yes | Yes | Yes | No |
| [<details>](http://www.w3schools.com/tags/tag_details.asp) | Yes | No | No | No | No |
| [<dfn>](http://www.w3schools.com/tags/tag_phrase_elements.asp) | Yes | Yes | Yes | Yes | Yes |
| [<dir>](http://www.w3schools.com/tags/tag_dir.asp) | No | Yes | No | Yes | No |
| [<div>](http://www.w3schools.com/tags/tag_div.asp) | Yes | Yes | Yes | Yes | Yes |
| [<dl>](http://www.w3schools.com/tags/tag_dl.asp) | Yes | Yes | Yes | Yes | Yes |
| [<dt>](http://www.w3schools.com/tags/tag_dt.asp) | Yes | Yes | Yes | Yes | Yes |
| [<em>](http://www.w3schools.com/tags/tag_phrase_elements.asp) | Yes | Yes | Yes | Yes | Yes |
| [<embed>](http://www.w3schools.com/tags/tag_embed.asp) | Yes | No | No | No | No |
| [<fieldset>](http://www.w3schools.com/tags/tag_fieldset.asp) | Yes | Yes | Yes | Yes | Yes |
| [<figcaption>](http://www.w3schools.com/tags/tag_figcaption.asp) | Yes | No | No | No | No |
| [<figure>](http://www.w3schools.com/tags/tag_figure.asp) | Yes | No | No | No | No |
| [<font>](http://www.w3schools.com/tags/tag_font.asp) | No | Yes | No | Yes | No |
| [<footer>](http://www.w3schools.com/tags/tag_footer.asp) | Yes | No | No | No | No |
| [<form>](http://www.w3schools.com/tags/tag_form.asp) | Yes | Yes | Yes | Yes | Yes |
| [<frame>](http://www.w3schools.com/tags/tag_frame.asp) | No | No | No | Yes | No |
| [<frameset>](http://www.w3schools.com/tags/tag_frameset.asp) | No | No | No | Yes | No |
| [<h1> to <h6>](http://www.w3schools.com/tags/tag_hn.asp) | Yes | Yes | Yes | Yes | Yes |
| [<head>](http://www.w3schools.com/tags/tag_head.asp) | Yes | Yes | Yes | Yes | Yes |
| [<header>](http://www.w3schools.com/tags/tag_header.asp) | Yes | No | No | No | No |
| [<hgroup>](http://www.w3schools.com/tags/tag_hgroup.asp) | Yes | No | No | No | No |
| [<hr>](http://www.w3schools.com/tags/tag_hr.asp) | Yes | Yes | Yes | Yes | Yes |
| [<html>](http://www.w3schools.com/tags/tag_html.asp) | Yes | Yes | Yes | Yes | Yes |
| [<i>](http://www.w3schools.com/tags/tag_i.asp) | Yes | Yes | Yes | Yes | Yes |
| [<iframe>](http://www.w3schools.com/tags/tag_iframe.asp) | Yes | Yes | No | Yes | No |
| [<img>](http://www.w3schools.com/tags/tag_img.asp) | Yes | Yes | Yes | Yes | Yes |
| [<input>](http://www.w3schools.com/tags/tag_input.asp) | Yes | Yes | Yes | Yes | Yes |
| [<ins>](http://www.w3schools.com/tags/tag_ins.asp) | Yes | Yes | Yes | Yes | No |
| [<kbd>](http://www.w3schools.com/tags/tag_phrase_elements.asp) | Yes | Yes | Yes | Yes | Yes |
| [<keygen>](http://www.w3schools.com/tags/tag_keygen.asp) | Yes | No | No | No | No |
| [<label>](http://www.w3schools.com/tags/tag_label.asp) | Yes | Yes | Yes | Yes | Yes |
| [<legend>](http://www.w3schools.com/tags/tag_legend.asp) | Yes | Yes | Yes | Yes | Yes |
| [<li>](http://www.w3schools.com/tags/tag_li.asp) | Yes | Yes | Yes | Yes | Yes |
| [<link>](http://www.w3schools.com/tags/tag_link.asp) | Yes | Yes | Yes | Yes | Yes |
| [<map>](http://www.w3schools.com/tags/tag_map.asp) | Yes | Yes | Yes | Yes | No |
| [<mark>](http://www.w3schools.com/tags/tag_mark.asp) | Yes | No | No | No | No |
| [<menu>](http://www.w3schools.com/tags/tag_menu.asp) | Yes | Yes | No | Yes | No |
| [<meta>](http://www.w3schools.com/tags/tag_meta.asp) | Yes | Yes | Yes | Yes | Yes |
| [<meter>](http://www.w3schools.com/tags/tag_meter.asp) | Yes | No | No | No | No |
| [<nav>](http://www.w3schools.com/tags/tag_nav.asp) | Yes | No | No | No | No |
| [<noframes>](http://www.w3schools.com/tags/tag_noframes.asp) | No | Yes | No | Yes | No |
| [<noscript>](http://www.w3schools.com/tags/tag_noscript.asp) | Yes | Yes | Yes | Yes | Yes |
| [<object>](http://www.w3schools.com/tags/tag_object.asp) | Yes | Yes | Yes | Yes | Yes |
| [<ol>](http://www.w3schools.com/tags/tag_ol.asp) | Yes | Yes | Yes | Yes | Yes |
| [<optgroup>](http://www.w3schools.com/tags/tag_optgroup.asp) | Yes | Yes | Yes | Yes | Yes |
| [<option>](http://www.w3schools.com/tags/tag_option.asp) | Yes | Yes | Yes | Yes | Yes |
| [<output>](http://www.w3schools.com/tags/tag_output.asp) | Yes | No | No | No | No |
| [<p>](http://www.w3schools.com/tags/tag_p.asp) | Yes | Yes | Yes | Yes | Yes |
| [<param>](http://www.w3schools.com/tags/tag_param.asp) | Yes | Yes | Yes | Yes | Yes |
| [<pre>](http://www.w3schools.com/tags/tag_pre.asp) | Yes | Yes | Yes | Yes | Yes |
| [<progress>](http://www.w3schools.com/tags/tag_progress.asp) | Yes | No | No | No | No |
| [<q>](http://www.w3schools.com/tags/tag_q.asp) | Yes | Yes | Yes | Yes | Yes |
| [<rp>](http://www.w3schools.com/tags/tag_rp.asp) | Yes | No | No | No | No |
| [<rt>](http://www.w3schools.com/tags/tag_rt.asp) | Yes | No | No | No | No |
| [<ruby>](http://www.w3schools.com/tags/tag_ruby.asp) | Yes | No | No | No | No |
| [<s>](http://www.w3schools.com/tags/tag_s.asp) | Yes | Yes | No | Yes | No |
| [<samp>](http://www.w3schools.com/tags/tag_phrase_elements.asp) | Yes | Yes | Yes | Yes | Yes |
| [<script>](http://www.w3schools.com/tags/tag_script.asp) | Yes | Yes | Yes | Yes | Yes |
| [<section>](http://www.w3schools.com/tags/tag_section.asp) | Yes | No | No | No | No |
| [<select>](http://www.w3schools.com/tags/tag_select.asp) | Yes | Yes | Yes | Yes | Yes |
| [<small>](http://www.w3schools.com/tags/tag_small.asp) | Yes | Yes | Yes | Yes | Yes |
| [<source>](http://www.w3schools.com/tags/tag_source.asp) | Yes | No | No | No | No |
| [<span>](http://www.w3schools.com/tags/tag_span.asp) | Yes | Yes | Yes | Yes | Yes |
| [<strike>](http://www.w3schools.com/tags/tag_strike.asp) | No | Yes | No | Yes | No |
| [<strong>](http://www.w3schools.com/tags/tag_phrase_elements.asp) | Yes | Yes | Yes | Yes | Yes |
| [<style>](http://www.w3schools.com/tags/tag_style.asp) | Yes | Yes | Yes | Yes | Yes |
| [<sub>](http://www.w3schools.com/tags/tag_sup.asp) | Yes | Yes | Yes | Yes | Yes |
| [<summary>](http://www.w3schools.com/tags/tag_summary.asp) | Yes | No | No | No | No |
| [<sup>](http://www.w3schools.com/tags/tag_sup.asp) | Yes | Yes | Yes | Yes | Yes |
| [<table>](http://www.w3schools.com/tags/tag_table.asp) | Yes | Yes | Yes | Yes | Yes |
| [<tbody>](http://www.w3schools.com/tags/tag_tbody.asp) | Yes | Yes | Yes | Yes | No |
| [<td>](http://www.w3schools.com/tags/tag_td.asp) | Yes | Yes | Yes | Yes | Yes |
| [<textarea>](http://www.w3schools.com/tags/tag_textarea.asp) | Yes | Yes | Yes | Yes | Yes |
| [<tfoot>](http://www.w3schools.com/tags/tag_tfoot.asp) | Yes | Yes | Yes | Yes | No |
| [<th>](http://www.w3schools.com/tags/tag_th.asp) | Yes | Yes | Yes | Yes | Yes |
| [<thead>](http://www.w3schools.com/tags/tag_thead.asp) | Yes | Yes | Yes | Yes | No |
| [<time>](http://www.w3schools.com/tags/tag_time.asp) | Yes | No | No | No | No |
| [<title>](http://www.w3schools.com/tags/tag_title.asp) | Yes | Yes | Yes | Yes | Yes |
| [<tr>](http://www.w3schools.com/tags/tag_tr.asp) | Yes | Yes | Yes | Yes | Yes |
| [<track>](http://www.w3schools.com/tags/tag_track.asp) | Yes | No | No | No | No |
| [<tt>](http://www.w3schools.com/tags/tag_tt.asp) | No | Yes | Yes | Yes | Yes |
| [<u>](http://www.w3schools.com/tags/tag_u.asp) | No | Yes | No | Yes | No |
| [<ul>](http://www.w3schools.com/tags/tag_ul.asp) | Yes | Yes | Yes | Yes | Yes |
| [<var>](http://www.w3schools.com/tags/tag_phrase_elements.asp) | Yes | Yes | Yes | Yes | Yes |
| [<video>](http://www.w3schools.com/tags/tag_video.asp) | Yes | No | No | No | No |
| [<wbr>](http://www.w3schools.com/tags/tag_wbr.asp) | Yes | No | No | No | No |

[« Previous](http://www.w3schools.com/tags/ref_av_dom.asp)