HTML Element Reference - By Category

Basic HTML

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| --- | --- |
| **Tag** | **Description** |
| [<!DOCTYPE>](https://www.w3schools.com/tags/tag_doctype.asp) | Defines the document type |
| [<html>](https://www.w3schools.com/tags/tag_html.asp) | Defines an HTML document |
| [<head>](https://www.w3schools.com/tags/tag_head.asp) | Contains metadata/information for the document |
| [<title>](https://www.w3schools.com/tags/tag_title.asp) | Defines a title for the document |
| [<body>](https://www.w3schools.com/tags/tag_body.asp) | Defines the document's body |
| [<h1> to <h6>](https://www.w3schools.com/tags/tag_hn.asp) | Defines HTML headings |
| [<p>](https://www.w3schools.com/tags/tag_p.asp) | Defines a paragraph |
| [<br>](https://www.w3schools.com/tags/tag_br.asp) | Inserts a single line break |
| [<hr>](https://www.w3schools.com/tags/tag_hr.asp) | Defines a thematic change in the content |
| [<!--...-->](https://www.w3schools.com/tags/tag_comment.asp) | Defines a comment |

**Formatting**

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<acronym>](https://www.w3schools.com/tags/tag_acronym.asp) | Not supported in HTML5. Use <abbr> instead. Defines an acronym |
| [<abbr>](https://www.w3schools.com/tags/tag_abbr.asp) | Defines an abbreviation or an acronym |
| [<address>](https://www.w3schools.com/tags/tag_address.asp) | Defines contact information for the author/owner of a document/article |
| [<b>](https://www.w3schools.com/tags/tag_b.asp) | Defines bold text |
| [<bdi>](https://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>](https://www.w3schools.com/tags/tag_bdo.asp) | Overrides the current text direction |
| [<big>](https://www.w3schools.com/tags/tag_big.asp) | Not supported in HTML5. Use CSS instead. Defines big text |
| [<blockquote>](https://www.w3schools.com/tags/tag_blockquote.asp) | Defines a section that is quoted from another source |
| [<center>](https://www.w3schools.com/tags/tag_center.asp) | Not supported in HTML5. Use CSS instead. Defines centered text |
| [<cite>](https://www.w3schools.com/tags/tag_cite.asp) | Defines the title of a work |
| [<code>](https://www.w3schools.com/tags/tag_code.asp) | Defines a piece of computer code |
| [<del>](https://www.w3schools.com/tags/tag_del.asp) | Defines text that has been deleted from a document |
| [<dfn>](https://www.w3schools.com/tags/tag_dfn.asp) | Specifies a term that is going to be defined within the content |
| [<em>](https://www.w3schools.com/tags/tag_em.asp) | Defines emphasized text |
| [<font>](https://www.w3schools.com/tags/tag_font.asp) | Not supported in HTML5. Use CSS instead. Defines font, color, and size for text |
| [<i>](https://www.w3schools.com/tags/tag_i.asp) | Defines a part of text in an alternate voice or mood |
| [<ins>](https://www.w3schools.com/tags/tag_ins.asp) | Defines a text that has been inserted into a document |
| [<kbd>](https://www.w3schools.com/tags/tag_kbd.asp) | Defines keyboard input |
| [<mark>](https://www.w3schools.com/tags/tag_mark.asp) | Defines marked/highlighted text |
| [<meter>](https://www.w3schools.com/tags/tag_meter.asp) | Defines a scalar measurement within a known range (a gauge) |
| [<pre>](https://www.w3schools.com/tags/tag_pre.asp) | Defines preformatted text |
| [<progress>](https://www.w3schools.com/tags/tag_progress.asp) | Represents the progress of a task |
| [<q>](https://www.w3schools.com/tags/tag_q.asp) | Defines a short quotation |
| [<rp>](https://www.w3schools.com/tags/tag_rp.asp) | Defines what to show in browsers that do not support ruby annotations |
| [<rt>](https://www.w3schools.com/tags/tag_rt.asp) | Defines an explanation/pronunciation of characters (for East Asian typography) |
| [<ruby>](https://www.w3schools.com/tags/tag_ruby.asp) | Defines a ruby annotation (for East Asian typography) |
| [<s>](https://www.w3schools.com/tags/tag_s.asp) | Defines text that is no longer correct |
| [<samp>](https://www.w3schools.com/tags/tag_samp.asp) | Defines sample output from a computer program |
| [<small>](https://www.w3schools.com/tags/tag_small.asp) | Defines smaller text |
| [<strike>](https://www.w3schools.com/tags/tag_strike.asp) | Not supported in HTML5. Use <del> or <s> instead. Defines strikethrough text |
| [<strong>](https://www.w3schools.com/tags/tag_strong.asp) | Defines important text |
| [<sub>](https://www.w3schools.com/tags/tag_sub.asp) | Defines subscripted text |
| [<sup>](https://www.w3schools.com/tags/tag_sup.asp) | Defines superscripted text |
| [<template>](https://www.w3schools.com/tags/tag_template.asp) | Defines a container for content that should be hidden when the page loads |
| [<time>](https://www.w3schools.com/tags/tag_time.asp) | Defines a specific time (or datetime) |
| [<tt>](https://www.w3schools.com/tags/tag_tt.asp) | Not supported in HTML5. Use CSS instead. Defines teletype text |
| [<u>](https://www.w3schools.com/tags/tag_u.asp) | Defines some text that is unarticulated and styled differently from normal text |
| [<var>](https://www.w3schools.com/tags/tag_var.asp) | Defines a variable |
| [<wbr>](https://www.w3schools.com/tags/tag_wbr.asp) | Defines a possible line-break |

## Forms and Input

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<form>](https://www.w3schools.com/tags/tag_form.asp) | Defines an HTML form for user input |
| [<input>](https://www.w3schools.com/tags/tag_input.asp) | Defines an input control |
| [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | Defines a multiline input control (text area) |
| [<button>](https://www.w3schools.com/tags/tag_button.asp) | Defines a clickable button |
| [<select>](https://www.w3schools.com/tags/tag_select.asp) | Defines a drop-down list |
| [<optgroup>](https://www.w3schools.com/tags/tag_optgroup.asp) | Defines a group of related options in a drop-down list |
| [<option>](https://www.w3schools.com/tags/tag_option.asp) | Defines an option in a drop-down list |
| [<label>](https://www.w3schools.com/tags/tag_label.asp) | Defines a label for an <input> element |
| [<fieldset>](https://www.w3schools.com/tags/tag_fieldset.asp) | Groups related elements in a form |
| [<legend>](https://www.w3schools.com/tags/tag_legend.asp) | Defines a caption for a <fieldset> element |
| [<datalist>](https://www.w3schools.com/tags/tag_datalist.asp) | Specifies a list of pre-defined options for input controls |
| [<output>](https://www.w3schools.com/tags/tag_output.asp) | Defines the result of a calculation |

## Frames

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<frame>](https://www.w3schools.com/tags/tag_frame.asp) | Not supported in HTML5. Defines a window (a frame) in a frameset |
| [<frameset>](https://www.w3schools.com/tags/tag_frameset.asp) | Not supported in HTML5. Defines a set of frames |
| [<noframes>](https://www.w3schools.com/tags/tag_noframes.asp) | Not supported in HTML5. Defines an alternate content for users that do not support frames |
| [<iframe>](https://www.w3schools.com/tags/tag_iframe.asp) | Defines an inline frame |

## Images

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<img>](https://www.w3schools.com/tags/tag_img.asp) | Defines an image |
| [<map>](https://www.w3schools.com/tags/tag_map.asp) | Defines a client-side image map |
| [<area>](https://www.w3schools.com/tags/tag_area.asp) | Defines an area inside an image map |
| [<canvas>](https://www.w3schools.com/tags/tag_canvas.asp) | Used to draw graphics, on the fly, via scripting (usually JavaScript) |
| [<figcaption>](https://www.w3schools.com/tags/tag_figcaption.asp) | Defines a caption for a <figure> element |
| [<figure>](https://www.w3schools.com/tags/tag_figure.asp) | Specifies self-contained content |
| [<picture>](https://www.w3schools.com/tags/tag_picture.asp) | Defines a container for multiple image resources |
| [<svg>](https://www.w3schools.com/tags/tag_svg.asp) | Defines a container for SVG graphics |

## Audio / Video

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<audio>](https://www.w3schools.com/tags/tag_audio.asp) | Defines sound content |
| [<source>](https://www.w3schools.com/tags/tag_source.asp) | Defines multiple media resources for media elements (<video>, <audio> and <picture>) |
| [<track>](https://www.w3schools.com/tags/tag_track.asp) | Defines text tracks for media elements (<video> and <audio>) |
| [<video>](https://www.w3schools.com/tags/tag_video.asp) | Defines a video or movie |

## Links

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<a>](https://www.w3schools.com/tags/tag_a.asp) | Defines a hyperlink |
| [<link>](https://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>](https://www.w3schools.com/tags/tag_nav.asp) | Defines navigation links |

## Lists

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<ul>](https://www.w3schools.com/tags/tag_ul.asp) | Defines an unordered list |
| [<ol>](https://www.w3schools.com/tags/tag_ol.asp) | Defines an ordered list |
| [<li>](https://www.w3schools.com/tags/tag_li.asp) | Defines a list item |
| [<dir>](https://www.w3schools.com/tags/tag_dir.asp) | Not supported in HTML5. Use <ul> instead. Defines a directory list |
| [<dl>](https://www.w3schools.com/tags/tag_dl.asp) | Defines a description list |
| [<dt>](https://www.w3schools.com/tags/tag_dt.asp) | Defines a term/name in a description list |
| [<dd>](https://www.w3schools.com/tags/tag_dd.asp) | Defines a description of a term/name in a description list |

## Tables

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<table>](https://www.w3schools.com/tags/tag_table.asp) | Defines a table |
| [<caption>](https://www.w3schools.com/tags/tag_caption.asp) | Defines a table caption |
| [<th>](https://www.w3schools.com/tags/tag_th.asp) | Defines a header cell in a table |
| [<tr>](https://www.w3schools.com/tags/tag_tr.asp) | Defines a row in a table |
| [<td>](https://www.w3schools.com/tags/tag_td.asp) | Defines a cell in a table |
| [<thead>](https://www.w3schools.com/tags/tag_thead.asp) | Groups the header content in a table |
| [<tbody>](https://www.w3schools.com/tags/tag_tbody.asp) | Groups the body content in a table |
| [<tfoot>](https://www.w3schools.com/tags/tag_tfoot.asp) | Groups the footer content in a table |
| [<col>](https://www.w3schools.com/tags/tag_col.asp) | Specifies column properties for each column within a <colgroup> element |
| [<colgroup>](https://www.w3schools.com/tags/tag_colgroup.asp) | Specifies a group of one or more columns in a table for formatting |

## Styles and Semantics

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<style>](https://www.w3schools.com/tags/tag_style.asp) | Defines style information for a document |
| [<div>](https://www.w3schools.com/tags/tag_div.asp) | Defines a section in a document |
| [<span>](https://www.w3schools.com/tags/tag_span.asp) | Defines a section in a document |
| [<header>](https://www.w3schools.com/tags/tag_header.asp) | Defines a header for a document or section |
| [<footer>](https://www.w3schools.com/tags/tag_footer.asp) | Defines a footer for a document or section |
| [<main>](https://www.w3schools.com/tags/tag_main.asp) | Specifies the main content of a document |
| [<section>](https://www.w3schools.com/tags/tag_section.asp) | Defines a section in a document |
| [<article>](https://www.w3schools.com/tags/tag_article.asp) | Defines an article |
| [<aside>](https://www.w3schools.com/tags/tag_aside.asp) | Defines content aside from the page content |
| [<details>](https://www.w3schools.com/tags/tag_details.asp) | Defines additional details that the user can view or hide |
| [<dialog>](https://www.w3schools.com/tags/tag_dialog.asp) | Defines a dialog box or window |
| [<summary>](https://www.w3schools.com/tags/tag_summary.asp) | Defines a visible heading for a <details> element |
| [<data>](https://www.w3schools.com/tags/tag_data.asp) | Adds a machine-readable translation of a given content |

## Meta Info

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<head>](https://www.w3schools.com/tags/tag_head.asp) | Defines information about the document |
| [<meta>](https://www.w3schools.com/tags/tag_meta.asp) | Defines metadata about an HTML document |
| [<base>](https://www.w3schools.com/tags/tag_base.asp) | Specifies the base URL/target for all relative URLs in a document |
| [<basefont>](https://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

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<script>](https://www.w3schools.com/tags/tag_script.asp) | Defines a client-side script |
| [<noscript>](https://www.w3schools.com/tags/tag_noscript.asp) | Defines an alternate content for users that do not support client-side scripts |
| [<applet>](https://www.w3schools.com/tags/tag_applet.asp) | Not supported in HTML5. Use <embed> or <object> instead. Defines an embedded applet |
| [<embed>](https://www.w3schools.com/tags/tag_embed.asp) | Defines a container for an external (non-HTML) application |
| [<object>](https://www.w3schools.com/tags/tag_object.asp) | Defines an embedded object |
| [<param>](https://www.w3schools.com/tags/tag_param.asp) | Defines a parameter for an object |

# <audio>: The Embed Audio element

<figure>

<figcaption>Listen to the T-Rex:</figcaption>

<audio

controls

src="/media/cc0-audio/t-rex-roar.mp3">

<a href="/media/cc0-audio/t-rex-roar.mp3">

Download audio

</a>

</audio>

</figure>

[**autoplay**](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/audio#attr-autoplay)

A Boolean attribute: if specified, the audio will automatically begin playback as soon as it can do so, without waiting for the entire audio file to finish downloading.

[**controls**](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/audio#attr-controls)

If this attribute is present, the browser will offer controls to allow the user to control audio playback, including volume, seeking, and pause/resume playback.

[**controlslist**](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/audio#attr-controlslist) ExperimentalNon-standard

The [controlslist](https://wicg.github.io/controls-list/explainer.html" \t "_blank) attribute, when specified, helps the browser select what controls to show for the audio element whenever the browser shows its own set of controls (that is, when the controls attribute is specified).

The allowed values are nodownload, nofullscreen and noremoteplayback.

[**crossorigin**](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/audio#attr-crossorigin)

This [enumerated](https://developer.mozilla.org/en-US/docs/Glossary/Enumerated) attribute indicates whether to use CORS to fetch the related audio file. [CORS-enabled resources](https://developer.mozilla.org/en-US/docs/Web/HTML/CORS_enabled_image) can be reused in the [<canvas>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/canvas) element without being tainted. The allowed values are:

anonymous

Sends a cross-origin request without a credential. In other words, it sends the Origin: HTTP header without a cookie, X.509 certificate, or performing HTTP Basic authentication. If the server does not give credentials to the origin site (by not setting the Access-Control-Allow-Origin: HTTP header), the resource will be tainted, and its usage restricted.

use-credentials

Sends a cross-origin request with a credential. In other words, it sends the Origin: HTTP header with a cookie, a certificate, or performing HTTP Basic authentication. If the server does not give credentials to the origin site (through Access-Control-Allow-Credentials: HTTP header), the resource will be tainted and its usage restricted.

[**disableremoteplayback**](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/audio#attr-disableremoteplayback) Experimental

A Boolean attribute used to disable the capability of remote playback in devices that are attached using wired (HDMI, DVI, etc.) and wireless technologies (Miracast, Chromecast, DLNA, AirPlay, etc.).

[**loop**](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/audio#attr-loop)

A Boolean attribute: if specified, the audio player will automatically seek back to the start upon reaching the end of the audio.

[**muted**](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/audio#attr-muted)

A Boolean attribute that indicates whether the audio will be initially silenced. Its default value is false.

[**preload**](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/audio#attr-preload)

This [enumerated](https://developer.mozilla.org/en-US/docs/Glossary/Enumerated) attribute is intended to provide a hint to the browser about what the author thinks will lead to the best user experience. It may have one of the following values:

* none: Indicates that the audio should not be preloaded.
* metadata: Indicates that only audio metadata (e.g. length) is fetched.
* auto: Indicates that the whole audio file can be downloaded, even if the user is not expected to use it.
* empty string: A synonym of the auto value.

The default value is different for each browser. The spec advises it to be set to metadata.

# <area>: The Image Map Area element

<map name="infographic">

<area shape="poly" coords="129,0,260,95,129,138"

href="https://developer.mozilla.org/docs/Web/HTTP"

target="\_blank" alt="HTTP">

<area shape="poly" coords="260,96,209,249,130,138"z

href="https://developer.mozilla.org/docs/Web/HTML"

target="\_blank" alt="HTML">

<area shape="poly" coords="209,249,49,249,130,139"

href="https://developer.mozilla.org/docs/Web/JavaScript"

target="\_blank" alt="JavaScript">

<area shape="poly" coords="48,249,0,96,129,138"

href="https://developer.mozilla.org/docs/Web/API"

target="\_blank" alt="Web APIs">

<area shape="poly" coords="0,95,128,0,128,137"

href="https://developer.mozilla.org/docs/Web/CSS"

target="\_blank" alt="CSS">

</map>

<img usemap="#infographic" src="/media/examples/mdn-info.png" alt="MDN infographic">

# HTML <form> Tag

### Example

An HTML form with two input fields and one submit button:

<form action="/action\_page.php" method="get">  
  <label for="fname">First name:</label>  
  <input type="text" id="fname" name="fname"><br><br>  
  <label for="lname">Last name:</label>  
  <input type="text" id="lname" name="lname"><br><br>  
  <input type="submit" value="Submit">  
</form>

## Definition and Usage

The <form> tag is used to create an HTML form for user input.

The <form> element can contain one or more of the following form elements:

* [<input>](https://www.w3schools.com/tags/tag_input.asp)
* [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp)
* [<button>](https://www.w3schools.com/tags/tag_button.asp)
* [<select>](https://www.w3schools.com/tags/tag_select.asp)
* [<option>](https://www.w3schools.com/tags/tag_option.asp)
* [<optgroup>](https://www.w3schools.com/tags/tag_optgroup.asp)
* [<fieldset>](https://www.w3schools.com/tags/tag_fieldset.asp)
* [<label>](https://www.w3schools.com/tags/tag_label.asp)
* [<output>](https://www.w3schools.com/tags/tag_output.asp)

## Attributes

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | **Description** |
| [accept-charset](https://www.w3schools.com/tags/att_form_accept_charset.asp) | *character\_set* | Specifies the character encodings that are to be used for the form submission |
| [action](https://www.w3schools.com/tags/att_form_action.asp) | *URL* | Specifies where to send the form-data when a form is submitted |
| [autocomplete](https://www.w3schools.com/tags/att_form_autocomplete.asp) | on off | Specifies whether a form should have autocomplete on or off |
| [enctype](https://www.w3schools.com/tags/att_form_enctype.asp) | application/x-www-form-urlencoded multipart/form-data text/plain | Specifies how the form-data should be encoded when submitting it to the server (only for method="post") |
| [method](https://www.w3schools.com/tags/att_form_method.asp) | get post | Specifies the HTTP method to use when sending form-data |
| [name](https://www.w3schools.com/tags/att_form_name.asp) | *text* | Specifies the name of a form |
| [novalidate](https://www.w3schools.com/tags/att_form_novalidate.asp) | novalidate | Specifies that the form should not be validated when submitted |
| [rel](https://www.w3schools.com/tags/att_form_rel.asp) | external help license next nofollow noopener noreferrer opener prev search | Specifies the relationship between a linked resource and the current document |
| [target](https://www.w3schools.com/tags/att_form_target.asp) | \_blank \_self \_parent \_top | Specifies where to display the response that is received after submitting the form |

<label for="cars">Choose a car:</label>

<select id="cars">

<option value="volvo">Volvo</option>

<option value="saab">Saab</option>

<option value="opel">Opel</option>

<option value="audi">Audi</option>

</select>

Use of <option> in <optgroup> elements:

<label for="cars">Choose a car:</label>  
<select id="cars">  
  <optgroup label="Swedish Cars">  
    <option value="volvo">Volvo</option>  
    <option value="saab">Saab</option>  
  </optgroup>  
  <optgroup label="German Cars">  
    <option value="mercedes">Mercedes</option>  
    <option value="audi">Audi</option>  
  </optgroup>  
</select>

Use of <option> in a <datalist> element:

<label for="browser">Choose your browser from the list:</label>  
<input list="browsers" name="browser" id="browser">  
  
<datalist id="browsers">  
  <option value="Edge">  
  <option value="Firefox">  
  <option value="Chrome">  
  <option value="Opera">  
  <option value="Safari">  
</datalist>

A video with subtitle tracks for two languages:

<video width="320" height="240" controls>  
  <source src="forrest\_gump.mp4" type="video/mp4">  
  <source src="forrest\_gump.ogg" type="video/ogg">  
  <track src="fgsubtitles\_en.vtt" kind="subtitles" srclang="en" label="English">  
  <track src="fgsubtitles\_no.vtt" kind="subtitles" srclang="no" label="Norwegian">  
</video>

## The HTML <video> Element

To show a video in HTML, use the <video> element:

### Example

<video width="320" height="240" controls>  
  <source src="movie.mp4" type="video/mp4">  
  <source src="movie.ogg" type="video/ogg">  
Your browser does not support the video tag.  
</video>

## HTML <video> Autoplay

To start a video automatically, use the autoplay attribute:

Add muted after autoplay to let your video start playing automatically (but muted):

### Example

<video width="320" height="240" autoplay muted>  
  <source src="movie.mp4" type="video/mp4">  
  <source src="movie.ogg" type="video/ogg">  
Your browser does not support the video tag.  
</video>