

Notiċe HTML

(W3Schools Source)

- HTML Attributes

The `<!DOCTYPE>` declaration represents the document type, and helps browsers to display web pages correctly.

The `<a>` tag defines a hyperlink. The `href` attribute specifies the URL of the page the link goes to:

```
<a href="https://www.w3schools.com">Visit W3Schools</a>
```

The `` tag is used to embed an image in an HTML page. The `src` attribute specifies the path to the image to be displayed:

```

```

The `style` attribute is used to add styles to an element, such as color, font, size, and more:

```
<p style="color:red;">This is a red paragraph.</p>
```

You should always include the `lang` attribute inside the `<html>` tag, to declare the language of the Web page.

```
<html lang="en">
```

The `title` attribute defines some extra information about an element.

The value of the title attribute will be displayed as a tooltip when you mouse over the element:

```
<p title="I'm a tooltip">This is a paragraph.</p>
```

- HTML Paragraphs

The `<hr>` element is used to separate content (or define a change) in an HTML page:

```
<h1>This is heading 1</h1>
```

```
<hr>
```

```
<h2>This is heading 2</h2>
```

```
<hr>
```

The HTML `<pre>` element defines preformatted text.

The text inside a `<pre>` element is displayed in a fixed-width font (usually Courier), and it preserves both spaces and line breaks:

```
<pre>
  My Bonnie lies over the ocean.

  My Bonnie lies over the sea.

  My Bonnie lies over the ocean.

  Oh, bring back my Bonnie to me.
</pre>
```

- HTML Formatting

Tag	Description
<code></code>	Defines bold text
<code></code>	Defines emphasized text
<code><i></code>	Defines a part of text in an alternate voice or mood
<code><small></code>	Defines smaller text
<code></code>	Defines important text
<code><sub></code>	Defines subscripted text
<code><sup></code>	Defines superscripted text
<code><ins></code>	Defines inserted text
<code></code>	Defines deleted text
<code><mark></code>	Defines marked/highlighted text

- HTML Quotation and Citation Elements

The HTML `<blockquote>` element defines a section that is quoted from another source.

Browsers usually indent `<blockquote>` elements.

```
<p>Here is a quote from WWF's website:</p>
<blockquote cite="http://www.worldwildlife.org/who/index.html">
  For 60 years, WWF has worked to help people and nature thrive.
</blockquote>
```

The HTML `<q>` tag defines a short quotation.

Browsers normally insert quotation marks around the quotation.

<p>WWF's goal is to: <q>Build a future where people live in harmony with nature.</q></p>

The HTML <abbr> tag defines an abbreviation or an acronym, like "HTML", "CSS", "Mr.", "Dr.", "ASAP", "ATM".

<p>The <abbr title="World Health Organization">WHO</abbr> was founded in 1948.</p>

The HTML <address> tag defines the contact information for the author/owner of a document or an article.

The text in the <address> element usually renders in *italic*, and browsers will always add a line break before and after the <address> element.

<address>
Written by John Doe.

Visit us at:

Example.com

Box 564, Disneyland

USA
</address>

The HTML <cite> tag defines the title of a creative work. The text in the <cite> element usually renders in *italic*.

<p><cite>The Scream</cite> by Edvard Munch. Painted in 1893.</p>

BDO stands for Bi-Directional Override.

The HTML <bdo> tag is used to override the current text direction:

<bdo dir="rtl">This text will be written from right to left</bdo>

Tag	Description
<abbr>	Defines an abbreviation or acronym
<address>	Defines contact information for the author/owner of a document
<bdo>	Defines the text direction
<blockquote>	Defines a section that is quoted from another source
<cite>	Defines the title of a work
<q>	Defines a short inline quotation

- HTML Comments

HTML comments are not displayed in the browser, but they can help document your HTML source code.

```
<p>This <!-- great text --> is a paragraph.</p>
```

- HTML Colors

HTML colors are specified with predefined color names, or with RGB, HEX, HSL, RGBA, or HSLA values.

Background color:

```
<h1 style="background-color:DodgerBlue;">Hello World</h1>
<p style="background-color:Tomato;">Lorem ipsum...</p>
```

Text color:

```
<h1 style="color:Tomato;">Hello World</h1>
<p style="color:DodgerBlue;">Lorem ipsum...</p>
<p style="color:MediumSeaGreen;">Ut wisi enim...</p>
```

Border color:

```
<h1 style="border:2px solid Tomato;">Hello World</h1>
<h1 style="border:2px solid DodgerBlue;">Hello World</h1>
<h1 style="border:2px solid Violet;">Hello World</h1>
```

Color values:

```
<h1 style="background-color:rgb(255, 99, 71);">...</h1>
<h1 style="background-color:#ff6347;">...</h1>
<h1 style="background-color:hsl(9, 100%, 64%);">...</h1>

<h1 style="background-color:rgba(255, 99, 71, 0.5);">...</h1>
<h1 style="background-color:hsla(9, 100%, 64%, 0.5);">...</h1>
```

- HTML Links

The **target** attribute specifies where to open the linked document.

The **target** attribute can have one of the following values:

- **_self** - Default. Opens the document in the same window/tab as it was clicked

- `_blank` - Opens the document in a new window or tab
- `_parent` - Opens the document in the parent frame
- `_top` - Opens the document in the full body of the window

```
<a href="https://www.w3schools.com/" target="_blank">Visit
W3Schools!</a>
```

To use an image as a link, just put the `` tag inside the `<a>` tag:

```
<a href="default.asp">

</a>
```

Use `mailto:` inside the `href` attribute to create a link that opens the user's email program (to let them send a new email):

```
<a href="mailto:someone@example.com">Send email</a>
```

• HTML Images

The HTML `<map>` tag defines an image map. An image map is an image with clickable areas. The areas are defined with one or more `<area>` tags.

```

```

```
<map name="workmap">
  <area shape="rect" coords="34,44,270,350" alt="Computer"
href="computer.htm">
  <area shape="rect" coords="290,172,333,250" alt="Phone"
href="phone.htm">
  <area shape="circle" coords="337,300,44" alt="Coffee"
href="coffee.htm">
</map>
```

The `shape="poly"` contains several coordinate points, which creates a shape formed with straight lines (a polygon).

This can be used to create any shape.

The coordinates come in pairs, one for the x-axis and one for the y-axis:

```
<area shape="poly"
coords="140,121,181,116,204,160,204,222,191,270,140,329,85,355,58,
352,37,322,40,259,103,161,128,147" href="croissant.htm">
```

- HTML Tables

Each table cell is defined by a `<td>` and a `</td>` tag.

Everything between `<td>` and `</td>` are the content of the table cell.

Each table row starts with a `<tr>` and ends with a `</tr>` tag.

For table headers, use the `<th>` tag instead of the `<td>` tag.

```
<table>
  <tr>
    <th>Person 1</th>
    <th>Person 2</th>
    <th>Person 3</th>
  </tr>
  <tr>
    <td>Emil</td>
    <td>Tobias</td>
    <td>Linus</td>
  </tr>
</table>
```

To make a cell span over multiple columns, use the `colspan` attribute:

```
<table>
  <tr>
    <th colspan="2">Name</th>
    <th>Age</th>
  </tr>
  <tr>
    <td>Jill</td>
    <td>Smith</td>
    <td>43</td>
  </tr>
</table>
```

To make a cell span over multiple rows, use the `rowspan` attribute:

```
<table>
  <tr>
    <th>Name</th>
    <td>Jill</td>
  </tr>
  <tr>
    <th rowspan="2">Phone</th>
    <td>555-1234</td>
  </tr>
  <tr>
```

```

        <td>555-8745</td>
    </tr>
</table>

```

To add a caption to a table, use the `<caption>` tag:

```

<table>
  <caption>Monthly savings</caption>
  <tr>
    <th>Month</th>
    <th>Savings</th>
  </tr>
  <tr>
    <td>January</td>
    <td>$100</td>
  </tr>
</table>

```

• HTML Lists

Tag	Description
<code></code>	Defines an unordered list
<code></code>	Defines an ordered list
<code></code>	Defines a list item
<code><dl></code>	Defines a description list
<code><dt></code>	Defines a term in a description list
<code><dd></code>	Describes the term in a description list

The `type` attribute of the `` tag, defines the type of the list item marker:

```

<ol type="A">
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>

```

By default, an ordered list will start counting from 1. If you want to start counting from a specified number, you can use the `start` attribute:

```

<ol start="50">
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>

```

A description list is a list of terms, with a description of each term.

The `<dl>` tag defines the description list, the `<dt>` tag defines the term (name), and the `<dd>` tag describes each term:

```
<dl>
  <dt>Coffee</dt>
  <dd>- black hot drink</dd>
  <dt>Milk</dt>
  <dd>- white cold drink</dd>
</dl>
```

Create a bookmark:

```
<h2 id="C4">Chapter 4</h2>
```

Add a link to the bookmark:

```
<a href="#C4">Jump to Chapter 4</a>
```

An HTML iframe is used to display a web page within a web page.

```
<iframe src="url" title="description"></iframe>
```

```
<iframe src="demo_iframe.htm" height="200" width="300"
title="Iframe Example"></iframe>
```

An iframe can be used as the target frame for a link.

The **target** attribute of the link must refer to the **name** attribute of the iframe:

```
<iframe src="demo_iframe.htm" name="iframe_a" title="Iframe
Example"></iframe>
```

```
<p><a href="https://www.w3schools.com"
target="iframe_a">W3Schools.com</a></p>
```

- HTML Forms

```
<form action="/action_page.php">
  <label for="fname">First name:</label><br>
  <input type="text" id="fname" name="fname" value="John"><br>
  <label for="lname">Last name:</label><br>
  <input type="text" id="lname" name="lname" value="Doe"><br><br>
  <input type="submit" value="Submit">
</form>
```


Type	Description
<code><input type="text"></code>	Displays a single-line text input field
<code><input type="radio"></code>	Displays a radio button (for selecting one of many choices)
<code><input type="checkbox"></code>	Displays a checkbox (for selecting zero or more of many choices)
<code><input type="submit"></code>	Displays a submit button (for submitting the form)
<code><input type="button"></code>	Displays a clickable button

The **autocomplete** attribute specifies whether a form should have autocomplete on or off.

```
<form action="/action_page.php" autocomplete="on">
```

The **<select>** element defines a drop-down list:

```
<label for="cars">Choose a car:</label>
<select id="cars" name="cars">
  <option value="volvo">Volvo</option>
  <option value="saab">Saab</option>
  <option value="fiat">Fiat</option>
  <option value="audi">Audi</option>
</select>
```

The **<textarea>** element defines a multi-line input field (a text area):

```
<textarea name="message" rows="10" cols="30">
The cat was playing in the garden.
</textarea>
```

The **<button>** element defines a clickable button:

```
<button type="button" onclick="alert('Hello World!')">Click
Me!</button>
```

The **<fieldset>** element is used to group related data in a form.

The **<legend>** element defines a caption for the **<fieldset>** element.

```
<form action="/action_page.php">
  <fieldset>
    <legend>Personalia:</legend>
    <label for="fname">First name:</label><br>
    <input type="text" id="fname" name="fname" value="John"><br>
    <label for="lname">Last name:</label><br>
    <input type="text" id="lname" name="lname"
value="Doe"><br><br>
    <input type="submit" value="Submit">
  </fieldset>
```

```
</form>
```

The **<datalist>** element specifies a list of pre-defined options for an **<input>** element.

Users will see a drop-down list of the pre-defined options as they input data.

The **list** attribute of the **<input>** element, must refer to the **id** attribute of the **<datalist>** element.

```
<form action="/action_page.php">
  <input list="browsers">
    <datalist id="browsers">
      <option value="Edge">
      <option value="Firefox">
    </datalist>
  </form>
```

The **<output>** element represents the result of a calculation (like one performed by a script).

```
<form action="/action_page.php"
oninput="x.value=parseInt(a.value)+parseInt(b.value)"
0
<input type="range" id="a" name="a" value="50">
100 +
<input type="number" id="b" name="b" value="50">
=
<output name="x" for="a b"></output>
<br><br>
<input type="submit">
</form>
```

Tag	Description
<u><form></u>	Defines an HTML form for user input
<u><input></u>	Defines an input control
<u><textarea></u>	Defines a multiline input control (text area)
<u><label></u>	Defines a label for an <input> element
<u><fieldset></u>	Groups related elements in a form
<u><legend></u>	Defines a caption for a <fieldset> element
<u><select></u>	Defines a drop-down list
<u><optgroup></u>	Defines a group of related options in a drop-down list
<u><option></u>	Defines an option in a drop-down list
<u><button></u>	Defines a clickable button
<u><datalist></u>	Specifies a list of pre-defined options for input controls
<u><output></u>	Defines the result of a calculation

The `<input type="color">` is used for input fields that should contain a color. Depending on browser support, a color picker can show up in the input field.

```
<form>
  <label for="favcolor">Select your favorite color:</label>
  <input type="color" id="favcolor" name="favcolor">
</form>
```

The `<input type="date">` is used for input fields that should contain a date. Depending on browser support, a date picker can show up in the input field.

```
<form>
  <label for="birthday">Birthday:</label>
  <input type="date" id="birthday" name="birthday">
</form>
```

The `<input type="email">` is used for input fields that should contain an email address.

Depending on browser support, the e-mail address can be automatically validated when submitted.

Some smartphones recognize the email type, and add ".com" to the keyboard to match email input.

```
<form>
  <label for="email">Enter your email:</label>
  <input type="email" id="email" name="email">
</form>
```

The `<input type="file">` defines a file-select field and a "Browse" button for file uploads.

```
<form>
  <label for="myfile">Select a file:</label>
  <input type="file" id="myfile" name="myfile">
</form>
```

The `<input type="tel">` is used for input fields that should contain a telephone number.

```
<form>
  <label for="phone">Enter your phone number:</label>
  <input type="tel" id="phone" name="phone"
pattern="[0-9]{3}-[0-9]{2}-[0-9]{3}">
</form>
```

The `<input type="time">` allows the user to select a time (no time zone).

Depending on browser support, a time picker can show up in the input field.

```
<form>
  <label for="appt">Select a time:</label>
  <input type="time" id="appt" name="appt">
</form>
```

The input **readonly** attribute specifies that an input field is read-only.

A read-only input field cannot be modified (however, a user can tab to it, highlight it, and copy the text from it).

The value of a read-only input field will be sent when submitting the form!

```
<form>
  <label for="fname">First name:</label><br>
  <input type="text" id="fname" name="fname" value="John"
readonly><br>
  <label for="lname">Last name:</label><br>
  <input type="text" id="lname" name="lname" value="Doe">
</form>
```

The input **disabled** attribute specifies that an input field should be disabled.

A disabled input field is unusable and un-clickable.

The value of a disabled input field will not be sent when submitting the form!

```
<form>
  <label for="fname">First name:</label><br>
  <input type="text" id="fname" name="fname" value="John"
disabled><br>
  <label for="lname">Last name:</label><br>
  <input type="text" id="lname" name="lname" value="Doe">
</form>
```

The input **min** and **max** attributes specify the minimum and maximum values for an input field.

```
<label for="quantity">Quantity (between 1 and 5):</label>
  <input type="number" id="quantity" name="quantity" min="1"
max="5">
```

The input **multiple** attribute specifies that the user is allowed to enter more than one value in an input field.

The **multiple** attribute works with the following input types: email, and file.

```
<form>
  <label for="files">Select files:</label>
  <input type="file" id="files" name="files" multiple>
</form>
```

The input **pattern** attribute specifies a regular expression that the input field's value is checked against, when the form is submitted.

The input **placeholder** attribute specifies a short hint that describes the expected value of an input field (a sample value or a short description of the expected format).

```
<form>
  <label for="phone">Enter a phone number:</label>
  <input type="tel" id="phone" name="phone"
    placeholder="123-45-678"
    pattern="[0-9]{3}-[0-9]{2}-[0-9]{3}">
</form>
```

The input **required** attribute specifies that an input field must be filled out before submitting the form.

```
<form>
  <label for="username">Username:</label>
  <input type="text" id="username" name="username" required>
</form>
```

The input **height** and **width** attributes specify the height and width of an **<input type="image">** element.

```
<form>
  <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="image" src="img_submit.gif" alt="Submit" width="48"
    height="48">
</form>
```