

# HTML input tag

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 [w3schools.com/tags/tag\\_input.asp](https://www.w3schools.com/tags/tag_input.asp)

## Example

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

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

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The `<input>` tag specifies an input field where the user can enter data.

The `<input>` element is the most important form element.

The `<input>` element can be displayed in several ways, depending on the type attribute.

The different input types are as follows:

- `<input type="button">`
- `<input type="checkbox">`
- `<input type="color">`
- `<input type="date">`
- `<input type="datetime-local">`
- `<input type="email">`
- `<input type="file">`
- `<input type="hidden">`
- `<input type="image">`
- `<input type="month">`
- `<input type="number">`
- `<input type="password">`
- `<input type="radio">`
- `<input type="range">`
- `<input type="reset">`
- `<input type="search">`
- `<input type="submit">`
- `<input type="tel">`

- `<input type="text">` (default value)
- `<input type="time">`
- `<input type="url">`
- `<input type="week">`

Look at the type attribute to see examples for each input type!

## Tips and Notes

**Tip:** Always use the `<label>` tag to define labels for `<input type="text">`, `<input type="checkbox">`, `<input type="radio">`, `<input type="file">`, and `<input type="password">`.

## Browser Support

### Element

<code>&lt;input&gt;</code>	Yes	Yes	Yes	Yes	Yes
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## Attributes

Attribute	Value	Description
<u>accept</u>	<i>file_extension</i> audio/* video/* image/* <i>media_type</i>	Specifies a filter for what file types the user can pick from the file input dialog box (only for type="file")
<u>alt</u>	<i>text</i>	Specifies an alternate text for images (only for type="image")
<u>autocomplete</u>	on off	Specifies whether an <code>&lt;input&gt;</code> element should have autocomplete enabled
<u>autofocus</u>	autofocus	Specifies that an <code>&lt;input&gt;</code> element should automatically get focus when the page loads
<u>checked</u>	checked	Specifies that an <code>&lt;input&gt;</code> element should be pre-selected when the page loads (for type="checkbox" or type="radio")
<u>dirname</u>	<i>inputname.dir</i>	Specifies that the text direction will be submitted
<u>disabled</u>	disabled	Specifies that an <code>&lt;input&gt;</code> element should be disabled
<u>form</u>	<i>form_id</i>	Specifies the form the <code>&lt;input&gt;</code> element belongs to

<u>formaction</u>	<i>URL</i>	Specifies the URL of the file that will process the input control when the form is submitted (for type="submit" and type="image")
<u>formenctype</u>	application/x-www-form-urlencoded multipart/form-data text/plain	Specifies how the form-data should be encoded when submitting it to the server (for type="submit" and type="image")
<u>formmethod</u>	get post	Defines the HTTP method for sending data to the action URL (for type="submit" and type="image")
<u>formnovalidate</u>	formnovalidate	Defines that form elements should not be validated when submitted
<u>formtarget</u>	_blank _self _parent _top framename	Specifies where to display the response that is received after submitting the form (for type="submit" and type="image")
<u>height</u>	<i>pixels</i>	Specifies the height of an <input> element (only for type="image")
<u>list</u>	<i>datalist_id</i>	Refers to a <datalist> element that contains pre-defined options for an <input> element
<u>max</u>	<i>number</i> <i>date</i>	Specifies the maximum value for an <input> element
<u>maxlength</u>	<i>number</i>	Specifies the maximum number of characters allowed in an <input> element
<u>min</u>	<i>number</i> <i>date</i>	Specifies a minimum value for an <input> element
<u>minlength</u>	<i>number</i>	Specifies the minimum number of characters required in an <input> element
<u>multiple</u>	multiple	Specifies that a user can enter more than one value in an <input> element
<u>name</u>	<i>text</i>	Specifies the name of an <input> element
<u>pattern</u>	<i>regexp</i>	Specifies a regular expression that an <input> element's value is checked against
<u>placeholder</u>	<i>text</i>	Specifies a short hint that describes the expected value of an <input> element
<u>popovertarget</u>	<i>element_id</i>	Specifies which popover element to invoke (only for type="button")

<u>popovertargetaction</u>	hide show toggle	Specifies what happens to the popover element when you click the button (only for type="button")
<u>readonly</u>	readonly	Specifies that an input field is read-only
<u>required</u>	required	Specifies that an input field must be filled out before submitting the form
<u>size</u>	<i>number</i>	Specifies the width, in characters, of an <input> element
<u>src</u>	<i>URL</i>	Specifies the URL of the image to use as a submit button (only for type="image")
<u>step</u>	<i>number</i> any	Specifies the interval between legal numbers in an input field
<u>type</u>	button checkbox color date datetime-local email file hidden image month number password radio range reset search submit tel text time url week	Specifies the type <input> element to display
<u>value</u>	<i>text</i>	Specifies the value of an <input> element
<u>width</u>	<i>pixels</i>	Specifies the width of an <input> element (only for type="image")

## Global Attributes

The `<input>` tag also supports the [Global Attributes in HTML](#).

## Event Attributes

The `<input>` tag also supports the [Event Attributes in HTML](#).

## Related Pages

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HTML tutorial:

- [HTML Forms](#)
- [HTML Form Elements](#)
- [HTML Input Types](#)
- [HTML Input Attributes](#)
- [HTML Input form\\* Attributes](#)

HTML DOM reference:

- [Input Button Object](#)
- [Input Checkbox Object](#)
- [Input Color Object](#)
- [Input Date Object](#)
- [Input Datetime Object](#)
- [Input DatetimeLocal Object](#)
- [Input Email Object](#)
- [Input FileUpload Object](#)
- [Input Hidden Object](#)
- [Input Image Object](#)
- [Input Month Object](#)
- [Input Number Object](#)
- [Input Password Object](#)
- [Input Range Object](#)
- [Input Radio Object](#)
- [Input Reset Object](#)
- [Input Search Object](#)
- [Input Submit Object](#)
- [Input Text Object](#)
- [Input Time Object](#)
- [Input URL Object](#)
- [Input Week Object](#)

## Default CSS Settings

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None.