



HTML <input> type Attribute

< HTML <input> tag

Example

An HTML form with two different input types; text and submit:

```
<form action="/action_page.php">  
  Username: <input type="text" name="username"><br>  
  <input type="submit" value="Submit">  
</form>
```

Try it Yourself »

More "Try it Yourself" examples below.

Definition and Usage

The type attribute specifies the type of <input> element to display.

The default type is text.

Tip: The type attribute is not a required attribute, but we think you should always include it.

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Browser Support

Attribute					
type	Yes	Yes	Yes	Yes	Yes

Note: The type attribute works in all major browsers. However, not all the different input types works in all major browsers.

Look **below** to see browser support for each input type.

Differences Between HTML 4.01 and HTML5

HTML5 has the following new input types: color, date, datetime-local, month, week, time, email, number, range, search, tel, and url.



Syntax

```
<input type="value">
```

Attribute Values

Value	Description
<u>button</u>	

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Defines a clickable button (mostly used with a JavaScript to activate a script)

<u>checkbox</u>	Defines a checkbox
<u>color</u>	Defines a color picker
<u>date</u>	Defines a date control (year, month, day (no time))
<u>datetime-local</u>	Defines a date and time control (year, month, day, time (no timezone))
<u>email</u>	Defines a field for an e-mail address
<u>file</u>	Defines a file-select field and a "Browse" button (for file uploads)
<u>hidden</u>	Defines a hidden input field
<u>image</u>	Defines an image as the submit button
<u>month</u>	Defines a month and year control (no timezone)
<u>number</u>	Defines a field for entering a number
<u>password</u>	Defines a password field
<u>radio</u>	Defines a radio button
<u>range</u>	Defines a range control (like a slider control)
<u>reset</u>	Defines a reset button
<u>search</u>	Defines a text field for entering a search string
<u>submit</u>	Defines a submit button
<u>tel</u>	Defines a field for entering a telephone number
<u>text</u>	Default. Defines a single-line text field
<u>time</u>	Defines a control for entering a time (no timezone)
<u>url</u>	Defines a field for entering a URL

More Examples

Input type: button



Example

A push button that activates a JavaScript when it is clicked:

```
<input type="button" value="Click me" onclick="msg()">
```

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Input type: checkbox



Example

Checkboxes let a user select one or more options of a limited number of choices:

```
<input type="checkbox" name="vehicle1" value="Bike"> I have a  
bike<br>  
<input type="checkbox" name="vehicle2" value="Car"> I have a  
car<br>  
<input type="checkbox" name="vehicle3" value="Boat" checked> I  
have a boat<br>
```

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Input type: color

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Example

Select a color from a color picker:

Select your favorite color: `<input type="color" name="favcolor">`

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Input type: date



Example

Define a date control:

Birthday: `<input type="date" name="bday">`

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Input type: datetime-local



Example

Define a date and time control (no time zone):

Birthday (date and time): `<input type="datetime-local" name="bdaytime">`

[Try it Yourself »](#)

Input type: email



Example

Define a field for an e-mail address (will be automatically validated when submitted):

```
E-mail: <input type="email" name="emailaddress">
```

[Try it Yourself »](#)

Tip: Safari on iPhone recognizes the email type, and changes the on-screen keyboard to match it (adds @ and .com options).

Input type: file



Example

Define a file-select field and a "Browse..." button (for file uploads):

```
Select a file: <input type="file" name="myFile">
```

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Input type: hidden



Example

Define a hidden field (not visible to a user).

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A hidden field often stores what database record that needs to be updated when the form is submitted:

```
<input type="hidden" id="custId" name="custId" value="3487">
```

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Input type: image

Example

Define an image as a submit button:

```
<input type="image" src="img_submit.gif" alt="Submit">
```

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Input type: month

Example

Define a month and year control (no time zone):

```
Birthday (month and year): <input type="month" name="bdaymonth">
```

Try it Yourself »

Input type: number

Example

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Define a field for entering a number (You can also set restrictions on what numbers are accepted):

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

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Use the following attributes to specify restrictions:

- max - specifies the maximum value allowed
- min - specifies the minimum value allowed
- step - specifies the legal number intervals
- value - Specifies the default value

Input type: password



Example

Define a password field (characters are masked):

```
<input type="password" name="pwd">
```

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Input type: radio



Example

Radio buttons let a user select only one of a limited number of choices:


```
<input type="radio" name="gender" value="male"> Male<br>
<input type="radio" name="gender" value="female"> Female<br>
<input type="radio" name="gender" value="other"> Other
```

Try it Yourself »

Input type: range



Example

Define a control for entering a number whose exact value is not important (like a slider control). Default range is 0 to 100. However, you can set restrictions on what numbers are accepted with the min, max, and step attributes:

```
<input type="range" name="points" min="0" max="10">
```

Try it Yourself »

Use the following attributes to specify restrictions:

- max - specifies the maximum value allowed
- min - specifies the minimum value allowed
- step - specifies the legal number intervals
- value - Specifies the default value

Input type: reset



Example

Define a reset button (resets all form values to default values):

```
<input type="reset">
```

Tip: Use the reset button carefully! It can be annoying for users who accidentally activate the reset button.

Input type: search



Example

Define a search field (like a site search, or Google search):

```
Search Google: <input type="search" name="q">
```

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Input type: submit



Example

Define a submit button:

```
<input type="submit">
```

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Input type: tel



Example

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Define a field for entering a telephone number:

Telephone: `<input type="tel" name="usrtel">`

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Input type: text



Example

Define two single-line text fields that a user can enter text into:

First name: `<input type="text" name="fname">
`
Last name: `<input type="text" name="lname">
`

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Input type: time



Example

Define a control for entering a time (no time zone):

Select a time: `<input type="time" name="usr_time">`

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Input type: url

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Example

Define a field for entering a URL:

Add your homepage: `<input type="url" name="homepage">`

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Tip: Safari on iPhone recognizes the url input type, and changes the on-screen keyboard to match it (adds .com option).

Input type: week



Example

Define a week and year control (no time zone):

Select a week: `<input type="week" name="week_year">`

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