

This document contains all 26 different input types in HTML5, along with their unique and common attributes, syntax, and examples. It also includes other important HTML form elements.

---

## ◆ Common Attributes (Applicable to Most Input Types)

- **type:** Specifies the type of input.
  - **name:** Name of the input (used in form submission).
  - **id:** Unique identifier for the input.
  - **value:** Default value.
  - **placeholder:** Hint displayed in input.
  - **required:** Makes the field mandatory.
  - **readonly:** Input cannot be changed.
  - **disabled:** Input is unselectable and unsubmitted.
  - **maxlength:** Maximum characters allowed.
  - **autocomplete:** Enables/disables autocomplete.
  - **autofocus:** Focuses on input when page loads.
  - **form:** Associates the input with a specific form by ID.
- 

## Input Types (1-26)

### 1. text

**Description:** Single-line text input

**Syntax:**

```
<input type="text" name="username" placeholder="Enter your name">
```

**Unique Attributes:** maxlength, pattern

### 2. password

**Description:** Obscures entered text

**Syntax:**

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

### 3. email

**Description:** Validates email address format

**Syntax:**

```
<input type="email" name="user_email" required>
```

**Unique Attributes:** multiple, pattern

### 4. number

**Description:** Accepts numeric values

**Syntax:**

```
<input type="number" name="quantity" min="1" max="10">
```

**Unique Attributes:** min, max, step

### 5. tel

**Description:** Phone number input

**Syntax:**

```
<input type="tel" name="phone" pattern="[0-9]{10}">
```

### 6. url

**Description:** Validates URL format

**Syntax:**

```
<input type="url" name="website">
```

### 7. search

**Description:** Search field

**Syntax:**

```
<input type="search" name="query">
```

### 8. date

**Description:** Date picker

**Syntax:**

```
<input type="date" name="dob">
```

**Unique Attributes:** min, max

## 9. time

**Description:** Time picker

**Syntax:**

```
<input type="time" name="appt">
```

## 10. datetime-local

**Description:** Date and time (local)

**Syntax:**

```
<input type="datetime-local" name="meeting">
```

## 11. month

**Description:** Month picker

**Syntax:**

```
<input type="month" name="bmonth">
```

## 12. week

**Description:** Week picker

**Syntax:**

```
<input type="week" name="bweek">
```

## 13. range

**Description:** Slider for number range

**Syntax:**

```
<input type="range" name="volume" min="0" max="100">
```

**Unique Attributes:** min, max, step

## 14. color

**Description:** Color picker

**Syntax:**

```
<input type="color" name="favcolor">
```

## 15. checkbox

**Description:** Multiple selections

**Syntax:**

```
<input type="checkbox" name="subscribe" checked>
```

**Unique Attributes:** checked

**16. radio**

**Description:** Single selection from group

**Syntax:**

```
<input type="radio" name="gender" value="male"> Male
```

```
<input type="radio" name="gender" value="female"> Female
```

**17. file**

**Description:** File upload

**Syntax:**

```
<input type="file" name="upload" multiple>
```

**Unique Attributes:** multiple, accept

**18. hidden**

**Description:** Hidden data

**Syntax:**

```
<input type="hidden" name="userid" value="123">
```

**19. submit**

**Description:** Submits the form

**Syntax:**

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

**20. reset**

**Description:** Resets form fields

**Syntax:**

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

**21. button**

**Description:** Generic button (used with JS)

**Syntax:**

```
<input type="button" value="Click Me" onclick="alert('Clicked!')">
```

**22. image**

**Description:** Image as submit button

**Syntax:**

```
<input type="image" src="submit.png" alt="Submit">
```

---

**HTML Form Elements (Beyond <input>)****<form>**

Defines the HTML form.

```
<form action="/submit" method="post">
```

```
<!-- form inputs here -->
```

```
</form>
```

**<label>**

Label for input.

```
<label for="email">Email:</label>
```

```
<input type="email" id="email" name="email">
```

**<fieldset> and <legend>**

Groups related fields.

```
<fieldset>
```

```
<legend>Personal Info</legend>
```

```
<input type="text" name="fname">
```

```
</fieldset>
```

**<textarea>**

Multi-line input.

```
<textarea name="message" rows="4" cols="50"></textarea>
```

**<select> and <option>**

Drop-down menu.

```
<select name="country">  
  <option value="india">India</option>  
  <option value="usa">USA</option>  
</select>
```

**<datalist>**

Auto-complete suggestions.

```
<input list="browsers" name="browser">  
<datalist id="browsers">  
  <option value="Chrome">  
  <option value="Firefox">  
</datalist>
```

---