HTML Audio and Video DOM Reference

The HTML5 DOM has methods, properties, and events for the <audio> and <video> elements.

## Definition and Usage

The <audio> tag is used to embed sound content in a document, such as music or other audio streams.

The <audio> tag contains one or more [<source>](https://www.w3schools.com/tags/tag_source.asp) tags with different audio sources. The browser will choose the first source it supports.

The text between the <audio> and </audio> tags will only be displayed in browsers that do not support the <audio> element.

There are three supported audio formats in HTML: MP3, WAV, and OGG.

## Tips and Notes

**Tip:** For video files, look at the [<video>](https://www.w3schools.com/tags/tag_video.asp) tag.

Attributes

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | **Description** |
| [autoplay](https://www.w3schools.com/tags/att_audio_autoplay.asp) | autoplay | Specifies that the audio will start playing as soon as it is ready |
| [controls](https://www.w3schools.com/tags/att_audio_controls.asp) | Controls | Specifies that audio controls should be displayed (such as a play/pause button etc) |
| [loop](https://www.w3schools.com/tags/att_audio_loop.asp) | Loop | Specifies that the audio will start over again, every time it is finished |
| [muted](https://www.w3schools.com/tags/att_audio_muted.asp) | Muted | Specifies that the audio output should be muted |
| [preload](https://www.w3schools.com/tags/att_audio_preload.asp) | auto metadata none | Specifies if and how the author thinks the audio should be loaded when the page loads |
| [src](https://www.w3schools.com/tags/att_audio_src.asp) | *URL* | Specifies the URL of the audio file |

<!DOCTYPE html>

<html>

<body>

<audio controls loop autoplay >

<source src="resources/G Phaad Ke.mp3" type="audio/mp3">

</audio>

</body>

</html>

# **HTML <video> Tag**

## Definition and Usage

The <video> tag is used to embed video content in a document, such as a movie clip or other video streams.

The <video> tag contains one or more [<source>](https://www.w3schools.com/tags/tag_source.asp) tags with different video sources. The browser will choose the first source it supports.

The text between the <video> and </video> tags will only be displayed in browsers that do not support the <video> element.

There are three supported video formats in HTML: MP4, WebM, and OGG.

Optional Attributes

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | **Description** |
| [autoplay](https://www.w3schools.com/tags/att_video_autoplay.asp) | autoplay | Specifies that the video will start playing as soon as it is ready |
| [controls](https://www.w3schools.com/tags/att_video_controls.asp) | controls | Specifies that video controls should be displayed (such as a play/pause button etc). |
| [height](https://www.w3schools.com/tags/att_video_height.asp) | *pixels* | Sets the height of the video player |
| [loop](https://www.w3schools.com/tags/att_video_loop.asp) | loop | Specifies that the video will start over again, every time it is finished |
| [muted](https://www.w3schools.com/tags/att_video_muted.asp) | muted | Specifies that the audio output of the video should be muted |
| [poster](https://www.w3schools.com/tags/att_video_poster.asp) | *URL* | Specifies an image to be shown while the video is downloading, or until the user hits the play button |
| [preload](https://www.w3schools.com/tags/att_video_preload.asp) | auto metadata none | Specifies if and how the author thinks the video should be loaded when the page loads |
| [src](https://www.w3schools.com/tags/att_video_src.asp) | *URL* | Specifies the URL of the video file |
| [width](https://www.w3schools.com/tags/att_video_width.asp) | *pixels* | Sets the width of the video player |

<!DOCTYPE html>

<html>

<body>

<div style="text-align:center">

<br>

<video controls height=480px width=640px autoplay loop muted>

<source src="resources/Burj Khalifa Pinnacle.mp4" type=video/mp4> ogg/webM

</video>

</div>

</body>

</html>

# **HTML <iframe> Tag**

# **HTML iframes**

HTML Iframe is used to display a nested webpage (a webpage within a webpage). The HTML <iframe> tag defines an inline frame, hence it is also called as an Inline frame.

An HTML iframe embeds another document within the current HTML document in the rectangular region.

The webpage content and iframe contents can interact with each other using JavaScript.

### **Iframe Syntax**

An HTML iframe is defined with the <iframe> tag:

1. <iframe src="URL"></iframe>

Here, "src" attribute specifies the web address (URL) of the inline frame page.

## Set Width and Height of iframe

You can set the width and height of iframe by using "width" and "height" attributes. By default, the attributes values are specified in pixels but you can also set them in percent. i.e. 50%, 60% etc.

### **Example: (Pixels)**

1. <!DOCTYPE html>
2. <html>
3. <body>
4. <h2>HTML Iframes example</h2>
5. <p>Use the height and width attributes to specify the size of the iframe:</p>
6. <iframe src="https://www.facbook.com/" height="300" width="400"></iframe>
7. </body>
8. </html>

### **Example: (Percentage)**

1. <!DOCTYPE html>
2. <html>
3. <body>
4. <h2>HTML Iframes</h2>
5. <p>You can use the height and width attributes to specify the size of the iframe:</p>
6. <iframe src="https://www.javatpoint.com/" height="50%" width="70%"></iframe>
7. </body>
8. </html>

[**Test it Now**](https://www.javatpoint.com/oprweb/test.jsp?filename=htmliframes2)

You can also use CSS to set the height and width of the iframe.

### **Example:**

1. <!DOCTYPE html>
2. <html>
3. <body>
4. <h2>HTML Iframes</h2>
5. <p>Use the CSS height and width properties to specify the size of the iframe:</p>
6. <iframe src="https://www.javatpoint.com/" style="height:300px;width:400px"></iframe>
7. </body>
8. </html>

[**Test it Now**](https://www.javatpoint.com/oprweb/test.jsp?filename=htmliframes3)

## Remove the border of iframe

By default, an iframe contains a border around it. You can remove the border by using <style> attribute and CSS border property.

### **Example:**

1. <!DOCTYPE html>
2. <html>
3. <body>
4. <h2>Remove the Iframe Border</h2>
5. <p>This iframe example doesn't have any border</p>
6. <iframe src="https://www.facebooke.com/" style="border:none;"></iframe>
7. </body>
8. </html>

You can also change the size, color, style of the iframe's border.

### **Example:**

1. <!DOCTYPE html>
2. <html>
3. <body>
4. <h2>Custom Iframe Border</h2>
5. <iframe src="https://www.facebook.com/" style="border:2px solid tomato;"></iframe>
6. </body>
7. </html>

## Iframe Target for a link

You can set a target frame for a link by using iframe. Your specified target attribute of the link must refer to the name attribute of the iframe.

### **Example:**

1. <!DOCTYPE html>
2. <html>
3. <body>
5. <h2>Iframe - Target **for** a Link</h2>
6. <iframe height="300px" width="100%" src="new.html" name="iframe\_a"></iframe>
7. <p><a href="https://www.facbook.com" target="iframe\_a">JavaTpoint.com</a></p>
8. <p>The name of iframe and link target must have same value **else** link will not open as a frame. </p>
10. </body>
11. </html>
12. Attributes of <iframe>

|  |  |  |
| --- | --- | --- |
| **Attribute name** | **Value** | **Description** |
| allowfullscreen |  | If true then that frame can be opened in full screen. |
| height | Pixels | It defines the height of the embedded iframe, and the default height is 150 px. |
| name | text | It gives the name to the iframe. The name attribute is important if you want to create a link in one frame. |
| frameborder | 1 or 0 | It defines whether iframe should have a border or not. (Not supported in HTML5). |
| Width | Pixels | It defines the width of embedded frame, and default width is 300 px. |
| src | URL | The src attribute is used to give the path name or file name which content to be loaded into iframe. |
| sandbox |  |  |
|  | This attribute is used to apply extra restrictions for the content of the frame |
| allow-forms | It allows submission of the form if this keyword is not used then form submission is blocked. |
| allow-popups | It will enable popups, and if not applied then no popup will open. |
| allow-scripts | It will enable the script to run. |
| allow-same-origin | If this keyword is used then the embedded resource will be treated as downloaded from the same source. |
| srcdoc |  | The srcdoc attribute is used to show the HTML content in the inline iframe. It overrides the src attribute (if a browser supports). |
| scrolling |  |  |
|  | It indicates that browser should provide a scroll bar for the iframe or not. (Not supported in HTML5) |
| auto | Scrollbar only shows if the content of iframe is larger than its dimensions. |
| yes | Always shows scroll bar for the iframe. |
| no | Never shows scrollbar for the iframe. |

<!doctype html>

<html>

<head>

<title>iframe</title>

</head>

<body>

<a href="05-images.html" target="myiframe">Open Image Program</a>

<br><br>

<iframe name="myiframe" width="500px" height="200px"></iframe>

<hr>

<hr>

<iframe width="560" height="315" src="https://www.youtube.com/embed/bCtlituS9p8" title="YouTube video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<br>

<a href="https://www.sevenmentor.com/" target="sneha">Sevenmentor</a>

<br/><br/>

<iframe name="sneha" width="480px" height="600px"></iframe>

<hr>

<iframe width="768" height="1000" src="https://www.amazon.in/">Amazon</iframe>

</body>

</html><iframe width="560" height="315" src="https://www.youtube.com/embed/Y6fwASYIOMs" title="YouTube video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share" allowfullscreen></iframe>

<iframe width="560" height="315" src="https://www.youtube.com/embed/g4gcd1UoRYg" title="YouTube video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share" allowfullscreen></iframe>