

MEDIA

HTML

1.0 Video

The HTML **<video>** element is used to show a video on a web page.

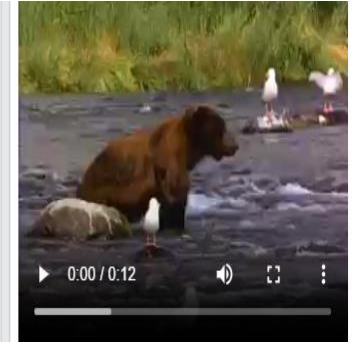
Example

```
<video width="320" height="240" controls>
  <source src="movie.mp4" type="video/mp4">
  <source src="movie.ogg" type="video/ogg">
  Your browser does not support the video tag.
</video>
```

```
<!DOCTYPE html>
<html>
<body>

<video width="320" height="240" controls>
  <source src="movie.mp4" type="video/mp4">
  <source src="movie.ogg" type="video/ogg">
  Your browser does not support the video tag.
</video>

</body>
</html>
```



How it Works

The **controls** attribute adds video controls, like play, pause, and volume.

It is a good idea to always include **width** and **height** attributes. If height and width are not set, the page might flicker while the video loads.

The **<source>** element allows you to specify alternative video files which the browser may choose from. The browser will use the first recognized format.

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

HTML

1.0 Video : Cont...

<video> Autoplay

To start a video automatically, use the **autoplay** attribute:

Example

```
<video width="320" height="240" autoplay>
  <source src="movie.mp4" type="video/mp4">
  <source src="movie.ogg" type="video/ogg">
  Your browser does not support the video tag.
</video>
```

```
<!DOCTYPE html>
<html>
<body>

<video width="320" height="240" autoplay>
  <source src="movie.mp4" type="video/mp4">
  <source src="movie.ogg" type="video/ogg">
  Your browser does not support the video tag.
</video>

</body>
</html>
```



Note: Chromium browsers do not allow autoplay in most cases. However, muted autoplay is always allowed.

Muted

Add **muted** after **autoplay** to let your video start playing automatically

Example

```
<video width="320" height="240" autoplay muted>
  <source src="movie.mp4" type="video/mp4">
  <source src="movie.ogg" type="video/ogg">
  Your browser does not support the video tag.
</video>
```

```
<!DOCTYPE html>
<html>
<body>

<video width="320" height="240" autoplay muted>
  <source src="movie.mp4" type="video/mp4">
  <source src="movie.ogg" type="video/ogg">
  Your browser does not support the video tag.
</video>

</body>
</html>
```



HTML

2.0 Audio

The HTML **<audio>** element is used to play an audio file on a web page.

Example

```
<audio controls>
  <source src="horse.ogg" type="audio/ogg">
  <source src="horse.mp3" type="audio/mpeg">
  Your browser does not support the audio element.
</audio>
```

```
<!DOCTYPE html>
<html>
<body>

<audio controls>
  <source src="horse.ogg" type="audio/ogg">
  <source src="horse.mp3" type="audio/mpeg">
  Your browser does not support the audio element.
</audio>

</body>
</html>
```



HTML Audio - How It Works

The **controls** attribute adds audio controls, like play, pause, and volume.

The **<source>** element allows you to specify alternative audio files which the browser may choose from. The browser will use the first recognized format.

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

HTML <audio> Autoplay

To start an audio file automatically, use the autoplay attribute:

HTML

2.0 Audio

HTML <audio> Autoplay

To start an audio file automatically, use the **autoplay** attribute:

Example

```
<audio controls autoplay>
  <source src="horse.ogg" type="audio/ogg">
  <source src="horse.mp3" type="audio/mpeg">
  Your browser does not support the audio element.
</audio>
```

```
<!DOCTYPE html>
<html>
<body>

<audio controls autoplay>
  <source src="horse.ogg" type="audio/ogg">
  <source src="horse.mp3" type="audio/mpeg">
  Your browser does not support the audio element.
</audio>

</body>
</html>
```



Note: Chromium browsers do not allow autoplay in most cases. However, muted autoplay is always allowed.

Muted

Add **muted** after **autoplay** to let your audio file start playing automatically (but muted):

Example

```
<audio controls autoplay muted>
  <source src="horse.ogg" type="audio/ogg">
  <source src="horse.mp3" type="audio/mpeg">
  Your browser does not support the audio element.
</audio>
```

```
<!DOCTYPE html>
<html>
<body>

<audio controls autoplay muted>
  <source src="horse.ogg" type="audio/ogg">
  <source src="horse.mp3" type="audio/mpeg">
  Your browser does not support the audio element.
</audio>

</body>
</html>
```



HTML

3.0 YouTube

- The easiest way to play videos in HTML, is to use YouTube.

Struggling with Video Formats?

- Converting videos to different formats can be difficult and time-consuming.
- An easier solution is to let YouTube play the videos in your web page.

YouTube Video Id

- YouTube will display an id (like tgbNymZ7vqY), when you save (or play) a video.
- You can use this id, and refer to your video in the HTML code.

Playing a YouTube Video in HTML

To play your video on a web page, do the following:

- Upload the video to YouTube
- Take a note of the video id
- Define an `<iframe>` element in your web page
- Let the `src` attribute point to the video URL
- Use the `width` and `height` attributes to specify the dimensions
- Add any other parameters to the URL (see below)

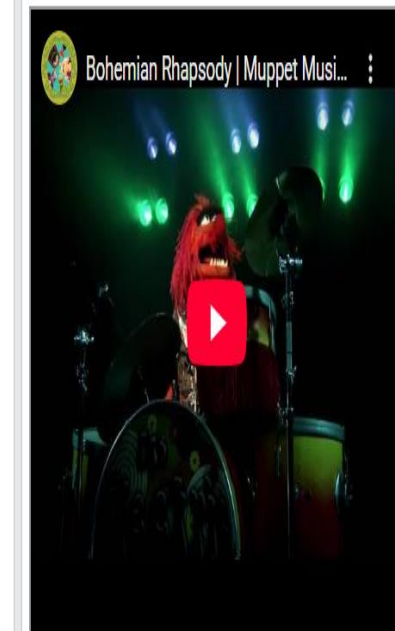
```
<!DOCTYPE html>
<html>
<body>

<iframe width="420" height="345"
src="https://www.youtube.com/embed/tgbNymZ7vqY">
</iframe>

</body>
</html>
```

Example

```
<iframe width="420" height="315"
src="https://www.youtube.com/embed/tgbNymZ7vqY">
</iframe>
```



HTML

3.0 YouTube

YouTube Autoplay + Mute

You can let your video start playing automatically when a user visits the page, by adding `autoplay=1` to the YouTube URL. However, automatically starting a video is annoying for your visitors!

Note: Chromium browsers do not allow autoplay in most cases. However, muted autoplay is always allowed.

Add `mute=1` after `autoplay=1` to let your video start playing automatically (but muted).

```
<!DOCTYPE html>
<html>
<body>

<iframe width="420" height="345"
src="https://www.youtube.com/embed/tgbNymZ7vqY?
autoplay=1&mute=1">
</iframe>

</body>
</html>
```



HTML

3.0 YouTube

YouTube Playlist

A comma separated list of videos to play (in addition to the original URL).

YouTube Loop

Add `playlist=videoID` and `loop=1` to let your video loop forever.

`loop=0` (default) - The video will play only once.

`loop=1` - The video will loop (forever).

```
<!DOCTYPE html>
<html>
<body>

<iframe width="420" height="345"
src="https://www.youtube.com/embed/tgbNymZ7vqY?
playlist=tgbNymZ7vqY&loop=1">
</iframe>

</body>
</html>
```



HTML

3.0 YouTube

YouTube Controls

Add `controls=0` to NOT display controls in the video player.

`controls=0` - Player controls does not display.

`controls=1` (default) - Player controls is displayed.

```
<!DOCTYPE html>
<html>
<body>

<iframe width="420" height="345"
src="https://www.youtube.com/embed/tgbNymZ7vqY?controls=0">
</iframe>

</body>
</html>
```



IFRAME

HTML

3.0 iframe

- An HTML iframe is used to display a web page within a web page.
- The HTML <iframe> tag specifies an inline frame.
- An inline frame is used to embed another document within the current HTML document.

Syntax

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

Tip: It is a good practice to always include a `title` attribute for the `<iframe>`. This is used by screen readers to read out what the content of the iframe is.

Iframe - Set Height and Width

Use the `height` and `width` attributes to specify the size of the iframe.

The height and width are specified in pixels by default:

Example

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

HTML

3.0 iframe : Cont.....

Iframe - Set Height and Width

Use the `height` and `width` attributes to specify the size of the iframe.

The height and width are specified in pixels by default:

Example

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

```
<!DOCTYPE html>
<html>
<body>

<h2>HTML Iframes</h2>
<p>You can use the height and width attributes to specify
the size of the iframe:</p>

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

</body>
</html>
```

HTML Iframes

You can use the height and width attributes to specify the size of the iframe:

**This page is
displayed in an
iframe**

HTML

iframe : Cont.....

Or you can add the `style` attribute and use the CSS `height` and `width` properties:

Example

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

```
<!DOCTYPE html>
<html>
<body>

<h2>HTML Iframes</h2>
<p>You can also use the CSS height and width properties to
specify the size of the iframe:</p>

<iframe src="demo_iframe.htm"
style="height:200px;width:300px" title="Iframe Example">
</iframe>

</body>
</html>
```

HTML Iframes

You can also use the CSS height and width properties to specify the size of the iframe:

**This page is
displayed in an
iframe**

HTML

iframe : Cont.....

Iframe - Remove the Border

By default, an iframe has a border around it.

To remove the border, add the `style` attribute and use the CSS `border` property:

Example

```
<iframe src="demo_iframe.htm" style="border:none;" title="Iframe Example"></iframe>
```

```
<!DOCTYPE html>
<html>
<body>

<h2>Remove the Iframe Border</h2>
<p>To remove the default border of the iframe, use CSS:</p>

<iframe src="demo_iframe.htm" style="border:none;"
title="Iframe Example"></iframe>

</body>
</html>
```

Remove the Iframe Border

To remove the default border of the iframe, use CSS:

**This page is
displayed in an
iframe**

HTML

iframe : Cont.....

Iframe - Remove the Border

With CSS, you can also change the size, style and color of the iframe's border:

Example

```
<iframe src="demo_iframe.htm" style="border:2px solid red;" title="Iframe Example"></iframe>
```

```
<!DOCTYPE html>
<html>
<body>

<h2>Custom Iframe Border</h2>
<p>With CSS, you can also change the size, style and color
of the iframe's border:</p>

<iframe src="demo_iframe.htm" style="border:2px solid red;"
title="Iframe Example"></iframe>

</body>
</html>
```

Custom Iframe Border

With CSS, you can also change the size, style and color of the iframe's border:

**This page is
displayed in an
iframe**

HTML

iframe : Cont.....

Iframe - Target for a Link

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:

Example

```
<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>
```

```
<!DOCTYPE html>
<html>
<body>

<h2>Iframe - Target for a Link</h2>

<iframe src="demo_iframe.htm" name="iframe_a" height="300px"
width="100%" title="Iframe Example"></iframe>

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

<p>When the target attribute of a link matches the name of
an iframe, the link will open in the iframe.</p>

</body>
</html>
```

Iframe - Target for a Link

This page is displayed in an iframe

[W3Schools.com](https://www.w3schools.com)

When the target attribute of a link matches the name of an iframe, the link will open in the iframe.