



# Bring in Media





# Topics Covered

- What is media and benefits of using media in HTML
- Adding Image using `<img>` Tag
- Adding Audio using `<audio>` Tag
- Adding Video using `<video>` Tag
- Embed another Document using `<iframe>` Tag





# What is media and benefits of using media in HTML

In HTML, "media" refers to any content that can be displayed or played back on a web page, such as images, audio files, and video files.

## Benefits :

- Make web pages more engaging, interesting, and visually appealing.
- Convey information more effectively, make applications interactive.
- Providing alternative means of consuming information, such as audio, videos for specially abled users.



# Adding Image using <img> Tag

```

```

## Heading

This is random photo







# Image Tag Attributes

**src :** URL of an image file

**alt :** Alternative text for an image in case the image cannot be displayed.

**width and height:** Specify the width and height of the image in pixels



# Supported Image Formats

- **APNG (Animated Portable Network Graphics)** – Good choice for lossless animation sequences
- **AVIF (AV1 Image File Format)** – Good choice for both images and animated images due to high performance.
- **GIF (Graphics Interchange Format)** – Good choice for simple images and animations.
- **JPEG (Joint Photographic Expert Group image)** – Good choice for lossy compression of still images
- **PNG (Portable Network Graphics)** – Good choice for lossless compression of still images
- **SVG (Scalable Vector Graphics)** – Vector image format. Use for images that must be drawn accurately at different sizes.
- **WebP (Web Picture format)** – Excellent choice for both images and animated images.





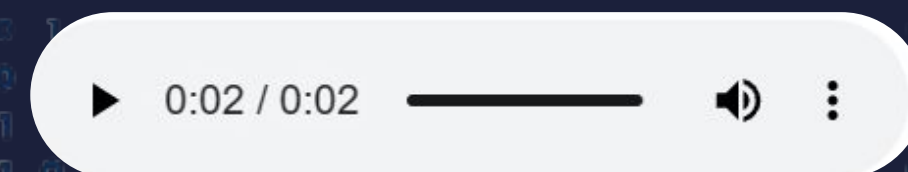
# Adding Audio using <audio> Tag

<audio

Controls

```
src="https://interactive-examples.mdn.mozilla.net/media/cc0-audio/t-rex-roar.mp3">
```

</audio>



**src:** URL or path of of audio

**controls:** show audio controls, such as play, pause, and seek

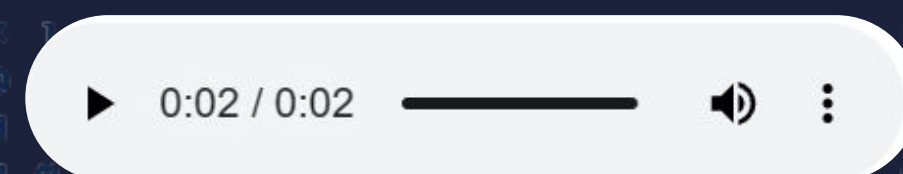


# Other Audio Attributes

**autoplay:** Audio will start playing automatically

**loop:** Audio will repeat in loop

```
<audio src="audio.mp3" autoplay loop controls >  
</audio>
```







# Other Audio Attributes

**preload:** It can have values like,

- **auto** – loads the audio file automatically
- **metadata** – loads only the metadata of the audio file
- **none** – does not preload the audio file

**controlslist:** It can have values like

- **nodownload** – disables download button
- **nofullscreen** – disables fullscreen button
- **nodownload nofullscreen** – disables both download and fullscreen buttons

**muted:** When this attribute is present, the audio will be muted by default.



# Audio with multiple sources

**<source>** tag is used to specify multiple sources of audio formats.

Using multiple **<source>** tags in the **<audio>** tag allows for the audio file to be played in different formats on different browsers and devices.

```
<audio controls>
```

```
  <source src="sample.opus" type="audio/ogg; codecs=opus" />
```

```
  <source src="sample.ogg" type="audio/ogg; codecs=vorbis" />
```

```
  <source src="sample.mp3" type="audio/mpeg" />
```

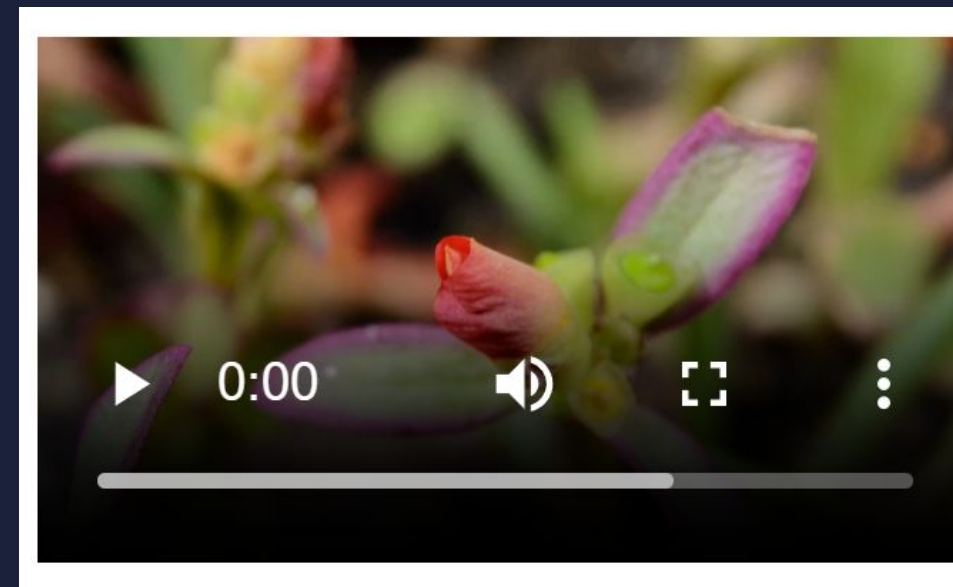
```
</audio>
```





# Adding Video using <video> Tag

```
<video  
  src="video.mp4"  
  controls>  
</video>
```



**src:** URL or path of of Video

**controls:** video controls, such as play, pause, and seek

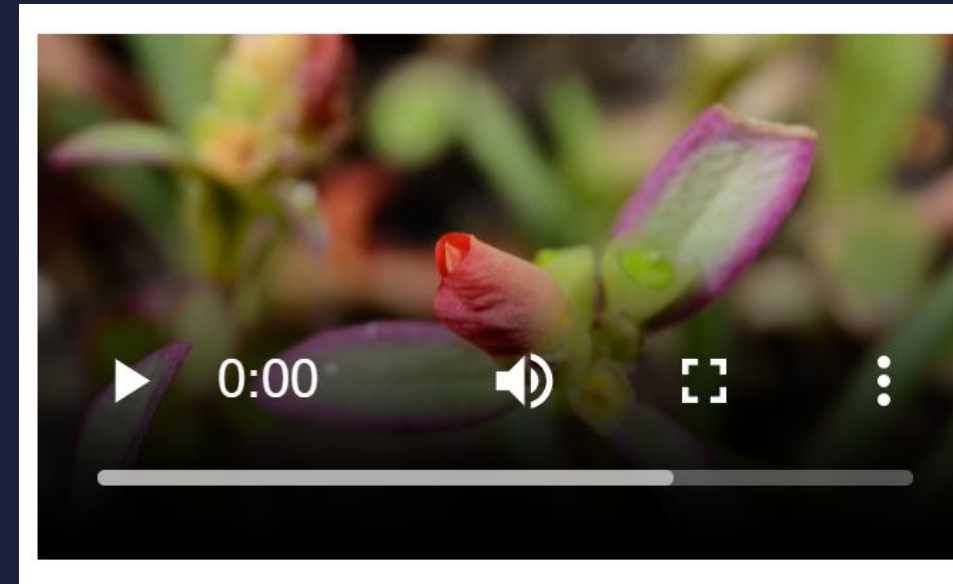


# Other Audio Attributes

**autoplay:** Video will start playing automatically

**loop:** Video will repeat in loop

```
<video  
  src="video.mp4"  
  autoplay  
  loop>  
</video>
```







# Other Audio Attributes

**preload:** It can have values like,

- **auto** – loads the video file automatically.
- **metadata** – loads only the metadata of the video file.
- **none** – does not preload the video file.

**controlsList:** This attribute specifies the controls that should be displayed in the video player's controls. It can have values like,

- **nodownload** – disables download button.
- **nofullscreen** – disables fullscreen button.
- **nodownload nofullscreen** – disables both download and fullscreen buttons

**muted:** When this attribute is present, the audio will be muted by default.

**poster:** This attribute specifies an image URL that should be displayed as a poster frame before the video starts playing.

**width and height:** These attributes specify the width and height of the video player in pixels.



# Video with multiple sources

**<source> tag** is used to specify multiple sources of video formats.

multiple **<source>** tags in the **<video>** tag allows for the video file to be played in different formats on different browsers and devices.

```
<video width="620" controls>
  <source src="https://archive.org/download/ElephantsDream/ed_hd.ogv" type="video/ogg" />
  <source src="https://archive.org/download/ElephantsDream/ed_hd.avi" type="video/avi" />
  <source src="https://archive.org/download/ElephantsDream/ed_1024_512kb.mp4" type="video/mp4" />
```

Sorry, your browser doesn't support embedded videos.

```
</video>
```





# Embed another Document using <iframe> Tag

## Embed Document Inside Another Document

```
<iframe  
  src="https://www.wikipedia.org/"  
  frameborder="1"  
  width="600" height="400">  
</iframe>
```

### Embedded Wikipedia Page





# Iframe Attributes

**src:** URL of the web page that you want to embed.

**frameborder:** A value of "0" means no border, and "1" means to display a border.

**width and height:** These attributes specify the width and height of the `<iframe>`, respectively.

**allow:** It can be used to enable specific permissions, such as allowing full screen mode or access to the microphone.

**scrolling:** This attribute specifies whether or not to display scrollbars within the `<iframe>`. It can have values of "yes", "no", or "auto".





▶ THANK YOU ◀