# HTML Iframes

An HTML iframe is used to display a web page within a web page.

## **HTML Iframe Syntax**

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.

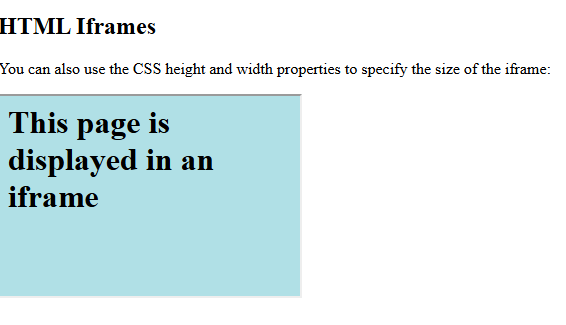
## **Iframe - Set Height and Width**

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 <marquee> Tag

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The**<marquee> tag in HTML** creates a scrolling text or image effect within a webpage. It allows content to move horizontally or vertically across the screen, providing a simple way to add dynamic movement to elements. Although this tag is **deprecated**in HTML5, it is still useful to understand its functionality for legacy projects.

<https://www.geeksforgeeks.org/html-marquee-tag/>

# HTML Canvas Graphics

The HTML <canvas> element is used to draw graphics on a web page.

The graphic below is created with <canvas>. It shows four elements: a red rectangle, a gradient rectangle, a multicolor rectangle, and a multicolor text.



<!DOCTYPE html>

<html>

<body>

<canvas id="myCanvas" width="200" height="100" style="border:1px solid #000000;">

Your browser does not support the HTML canvas tag.

</canvas>

</body>

</html>

# HTML Multimedia

## **What is Multimedia?**

Multimedia comes in many different formats. It can be almost anything you can hear or see, like images, music, sound, videos, records, films, animations, and more.

Web pages often contain multimedia elements of different types and formats.

## **Multimedia Formats**

|  |  |  |
| --- | --- | --- |
| **Format** | **File** | **Description** |
| MPEG | .mpg .mpeg | MPEG. Developed by the Moving Pictures Expert Group. The first popular  video format on the web. Not supported anymore in HTML. |
| AVI | .avi | AVI (Audio Video Interleave). Developed by Microsoft. Commonly used in  video cameras and TV hardware. Plays well on Windows computers,  but not in web browsers. |
| WMV | .wmv | WMV (Windows Media Video). Developed by Microsoft. Commonly used in  video cameras and TV hardware. Plays well on Windows computers,  but not in web browsers. |
| QuickTime | .mov | QuickTime. Developed by Apple. Commonly used in video cameras and TV  hardware. Plays well on Apple computers, but not in web browsers. |
| RealVideo | .rm .ram | RealVideo. Developed by Real Media to allow video streaming  with low bandwidths. Does not play in web browsers. |
| Flash | .swf .flv | Flash. Developed by Macromedia. Often  requires an extra component (plug-in) to play in web browsers. |
| Ogg | .ogg | Theora Ogg. Developed by the Xiph.Org Foundation. Supported by HTML. |
| WebM | .webm | WebM. Developed by Mozilla, Opera, Adobe, and Google. Supported by HTML. |
| MPEG-4 or MP4 | .mp4 | MP4. Developed by the Moving Pictures Expert Group. Commonly used in  video cameras and TV hardware. Supported by all browsers and  recommended by YouTube. |

Multimedia elements (like audio or video) are stored in media files.

The most common way to discover the type of a file, is to look at the file extension.

Multimedia files have formats and different extensions like: .wav, .mp3, .mp4, .mpg, .wmv, and .avi.

## **Common Audio Formats**

MP3 is the best format for compressed recorded music. The term MP3 has become synonymous with digital music.

If your website is about recorded music, MP3 is the choice.

|  |  |  |
| --- | --- | --- |
| **Format** | **File** | **Description** |
| MIDI | .mid .midi | MIDI (Musical Instrument Digital Interface). Main format for all electronic music devices like synthesizers and PC sound cards. MIDI files do not contain sound, but digital notes that can be played by electronics. Plays well on all computers and music hardware, but not in web browsers. |
| RealAudio | .rm .ram | RealAudio. Developed by Real Media to allow streaming of audio with low bandwidths. Does not play in web browsers. |
| WMA | .wma | WMA (Windows Media Audio). Developed by Microsoft. Plays well on Windows computers, but not in web browsers. |
| AAC | .aac | AAC (Advanced Audio Coding). Developed by Apple as the default format for iTunes. Plays well on Apple computers, but not in web browsers. |
| WAV | .wav | WAV. Developed by IBM and Microsoft. Plays well on Windows, Macintosh, and Linux operating systems. Supported by HTML. |
| Ogg | .ogg | Ogg. Developed by the Xiph.Org Foundation. Supported by HTML. |
| MP3 | .mp3 | MP3 files are actually the sound part of MPEG files. MP3 is the most popular format for music players. Combines good compression (small files) with high quality. Supported by all browsers. |
| MP4 | .mp4 | MP4 is a video format, but can also be used for audio. Supported by all browsers. |

**Note:** Only MP3, WAV, and Ogg audio are supported by the HTML standard.

# video

<!DOCTYPE html>

<html>

<body>

<video width="400" controls>

<source src="mov\_bbb.mp4" type="video/mp4">

</body>

</html>

# Audio

<!DOCTYPE html>

<html>

<body>

<audio controls>

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

</audio>

</body>

</html>

# Youtube video

<!DOCTYPE html>

<html>

<body>

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

</iframe>

</body>

</html>

# image

<!DOCTYPE html>

<html>

<body>

<h2>HTML Image</h2>

<img src="img\_girl.jpg" alt="Girl in a jacket" width="500" height="600">

</body>

</html>