



# HyperText Markup Language

# IFrame Embedded Content

(YouTube, Maps, Etc.)






# Embedding Sites

```
<iframe src="https://en.wikipedia.org/wiki/Giant_panda"></iframe>
```

\*not all sites can be embedded

## Attributes

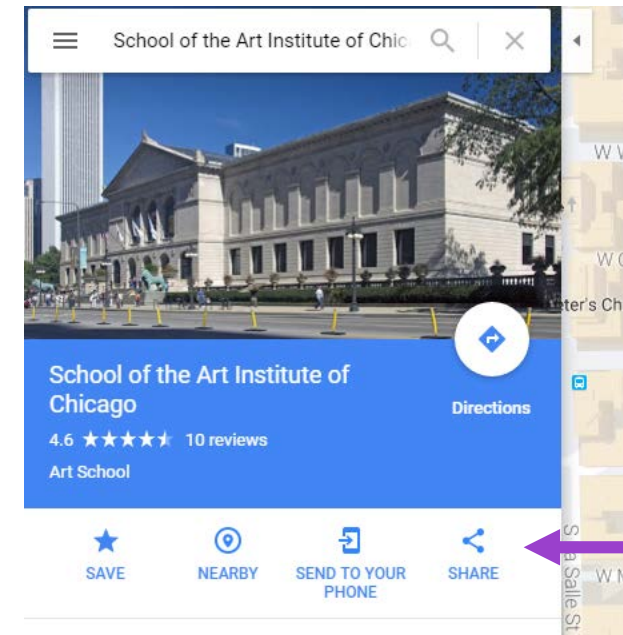
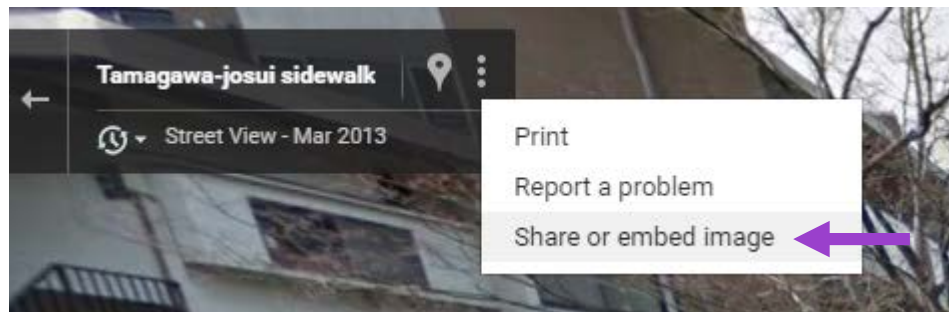
 = New in HTML5.

Attribute	Value	Description
<u>align</u>	left right top middle bottom	Not supported in HTML5. Specifies the alignment of an <iframe> according to surrounding elements
<u>frameborder</u>	1 0	Not supported in HTML5. Specifies whether or not to display a border around an <iframe>
<u>height</u>	<i>pixels</i>	Specifies the height of an <iframe>
<u>longdesc</u>	<i>URL</i>	Not supported in HTML5. Specifies a page that contains a long description of the content of an <iframe>
<u>marginheight</u>	<i>pixels</i>	Not supported in HTML5. Specifies the top and bottom margins of the content of an <iframe>
<u>marginwidth</u>	<i>pixels</i>	Not supported in HTML5. Specifies the left and right margins of the content of an <iframe>
<u>name</u>	<i>text</i>	Specifies the name of an <iframe>
<u>sandbox</u>	allow-forms allow-pointer-lock  allow-popups allow-same-origin allow-scripts allow-top-navigation	Enables an extra set of restrictions for the content in an <iframe>
<u>scrolling</u>	yes no auto	Not supported in HTML5. Specifies whether or not to display scrollbars in an <iframe>
<u>src</u>	<i>URL</i>	Specifies the address of the document to embed in the <iframe>
<u>srcdoc</u>	 <i>HTML_code</i>	Specifies the HTML content of the page to show in the <iframe>
<u>width</u>	<i>pixels</i>	Specifies the width of an <iframe>

```
<section>
  <h1>Embedding a Site</h1>
  <iframe
    src="https://en.wikipedia.org/wiki/Giant_panda"
    width="800"
    height="400"
    frameborder="0"></iframe>
</section>
```

# Embedding Google Maps

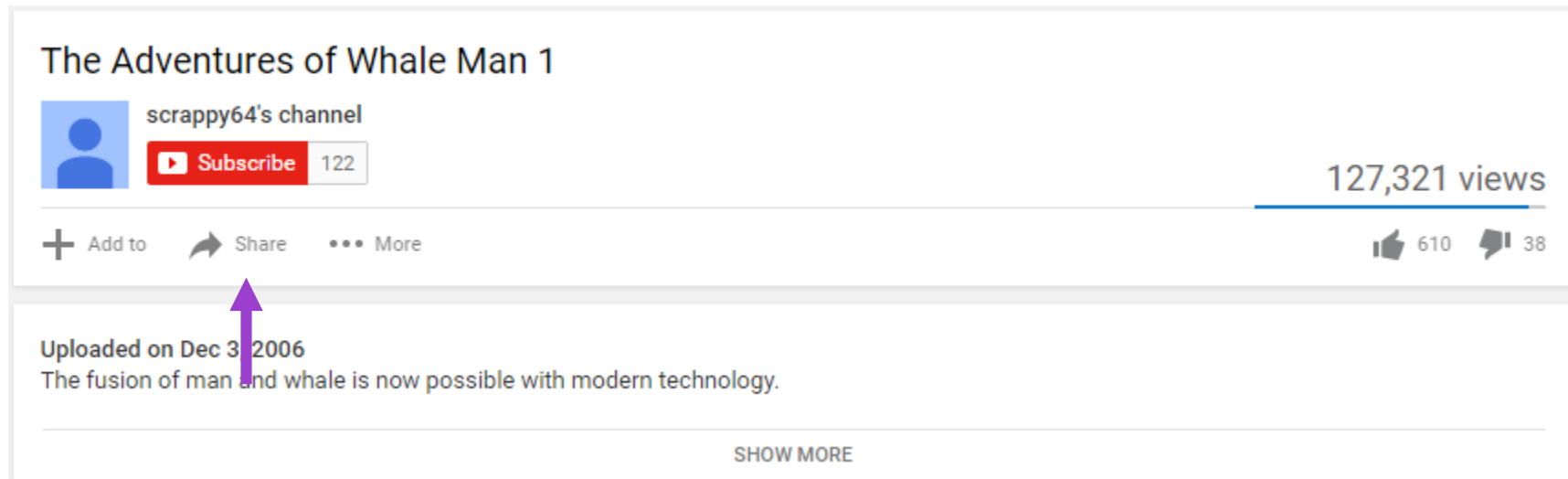
- Go to [maps.google.com](https://maps.google.com)
- Find a [location](#)
- Click Share



```
<section>
  <h1>Embedding Maps</h1>
  <iframe
    src="https://www.google.com/maps/embed?pb=!1m0!3m2!1sen!2sus!4v147325614464
    6!6m8!1m7!1sgT28ssf0BB2LxZ63JNcL1w!2m2!1d35.70407437075822!2d139.5577317304
    603!3f287.76!4f-20.0100000000000005!5f0.7820865974627469"
    width="600"
    height="450"
    frameborder="0"
    style="border:0"
    allowfullscreen></iframe>
</section>
```

# Embedding YouTube

- More info and controls [here](#)

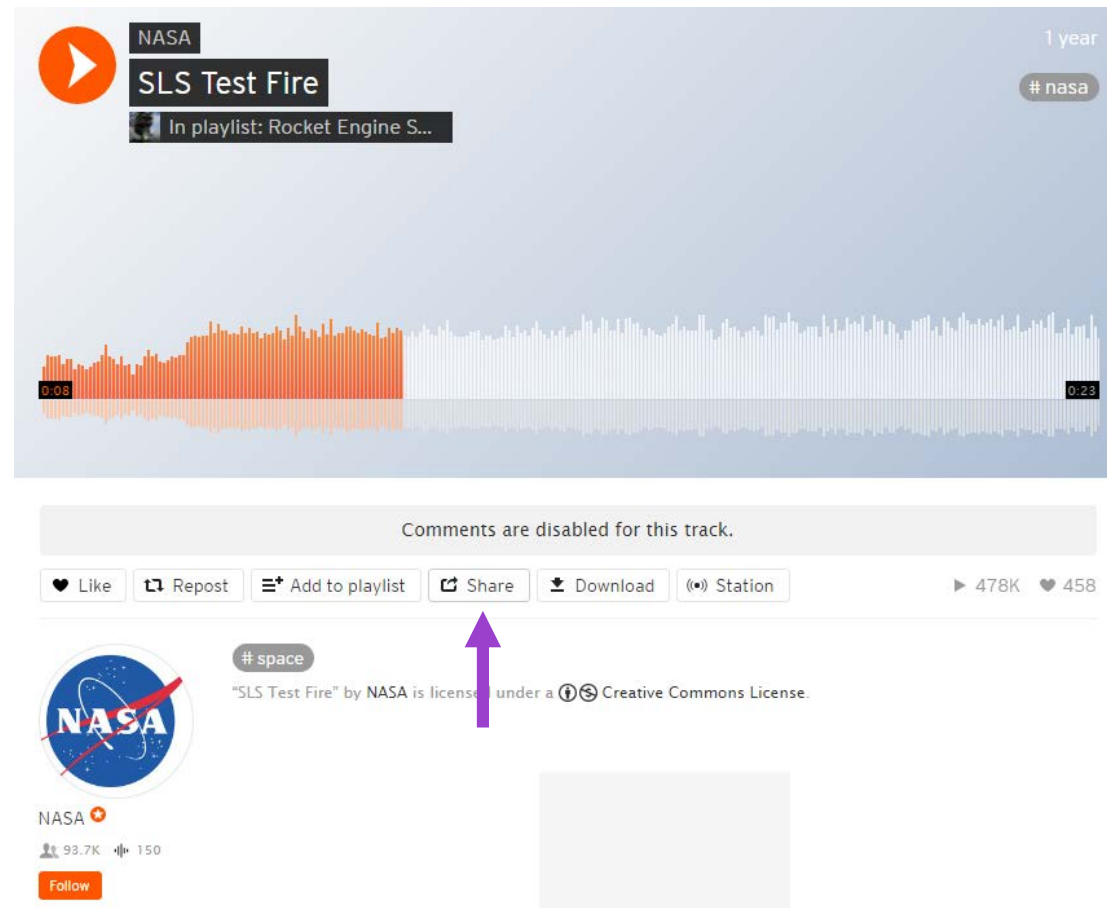




```
<section>
  <h1>Embedding YouTube</h1>
  <iframe
    width="560"
    height="315"
    src="https://www.youtube.com/embed/iRZ2Sh5-XuM?autoplay=1&start=3"
    frameborder="0"
    allowfullscreen></iframe>
</section>
```

# Embedding SoundCloud

- More info and controls [here](#)



```
<section>
  <h1>Embedding SoundCloud</h1>
  <iframe
    width="500"
    height="100"
    scrolling="no"
    frameborder="no"
    src="https://w.soundcloud.com/player/?url=https%3A//api.soundcloud.com/
    tracks/3150016&auto_play=true&hide_related=false&show_comments=true&
    show_user=true&show_reposts=false&visual=false&show_artwork=false"></iframe
  >
</section>
```

# Video and Audio



# Video


- Tutorial on video in html: [html5rocks.com](https://html5rocks.com)

```
<video src="video/electric-sheep-1.mp4">  
  Your browser does not support the video element!  
</video>
```



## Optional Attributes

Attribute	Value	Description
<u>autoplay</u>	autoplay	Specifies that the video will start playing as soon as it is ready
<u>controls</u>	controls	Specifies that video controls should be displayed (such as a play/pause button etc).
<u>height</u>	<i>pixels</i>	Sets the height of the video player
<u>loop</u>	loop	Specifies that the video will start over again, every time it is finished
<u>muted</u>	muted	Specifies that the audio output of the video should be muted
<u>poster</u>	<i>URL</i>	Specifies an image to be shown while the video is downloading, or until the user hits the play button
<u>preload</u>	auto metadata none	Specifies if and how the author thinks the video should be loaded when the page loads
<u>src</u>	<i>URL</i>	Specifies the URL of the video file
<u>width</u>	<i>pixels</i>	Sets the width of the video player



```
<video
  src="video/electric-sheep-2.mp4"
  loop
  autoplay
  width="1000">
  Your browser does not support the video element!
</video>
```



```
<video loop autoplay>
  <source src="video/electric-sheep-1.webm" type="video/webm">
  <source src="video/electric-sheep-1.mp4" type="video/mp4">
  Your browser does not support the video element!
</video>
```





# Audio

- Tutorial on audio in html: [thinkful.com](https://thinkful.com)

```
<audio src="audio/nasa-sls-test-fire.mp3">  
    Your browser does not support the audio element.  
</audio>
```



## Attributes

Attribute	Value	Description
<u><a href="#">autoplay</a></u>	autoplay	Specifies that the audio will start playing as soon as it is ready
<u><a href="#">controls</a></u>	controls	Specifies that audio controls should be displayed (such as a play/pause button etc)
<u><a href="#">loop</a></u>	loop	Specifies that the audio will start over again, every time it is finished
<u><a href="#">muted</a></u>	muted	Specifies that the audio output should be muted
<u><a href="#">preload</a></u>	auto metadata none	Specifies if and how the author thinks the audio should be loaded when the page loads
<u><a href="#">src</a></u>	URL	Specifies the URL of the audio file

```
<audio
  src="audio/nasa-chorus-radio-waves.mp3"
  type="audio/mp3"
  preload="auto"
  autoplay
  controls>
  Your browser does not support the audio element.
</audio>
```



## Browser compatibility

Desktop	Mobile				
Feature	Chrome	Firefox (Gecko)	Internet Explorer	Opera	Safari
Basic support	3.0	3.5 (1.9.1)	9.0	10.50	3.1
<audio>: PCM in WAVE	(Yes)	3.5 (1.9.1)	No support	10.50	3.1
<audio>: Vorbis in WebM	(Yes)	4.0 (2.0)	No support	10.60	3.1 <sup>[1]</sup>
<audio>: Streaming Vorbis/Opus in WebM via MSE	?	36.0 (36.0) <sup>[2]</sup>	?	?	?
<audio>: Vorbis in Ogg	(Yes)	3.5 (1.9.1)	No support	10.50	No support
<audio>: MP3	(Yes) <sup>[4]</sup>	(Yes) <sup>[5]</sup>	9.0	(Yes)	3.1
<audio>: MP3 in MP4	?	?	?	?	(Yes)
<audio>: AAC in MP4	(Yes) <sup>[6]</sup>	(Yes) <sup>[7]</sup>	9.0	(Yes)	3.1
<audio>: Opus in Ogg	27.0	15.0 (15.0)	?	?	?
<audio>: FLAC	No support	51 (51)	No support	No support	No support
<audio>: FLAC in Ogg	No support	51 (51)	No support	No support	No support
<video>: VP8 and Vorbis in WebM	6.0	4.0 (2.0)	9.0 <sup>[8]</sup>	10.60	3.1 <sup>[9]</sup>
<video>: VP9 and Opus in WebM	29.0	28.0 (28.0)	?	(Yes)	?
<video>: Streaming WebM via MSE	?	42.0 (42.0) <sup>[35]</sup>	?	?	?
<video>: Theora and Vorbis in Ogg	(Yes)	3.5 (1.9.1)	No support	10.50	No support
<video>: H.264 and MP3 in MP4	(Yes) <sup>[4]</sup>	(Yes) <sup>[10]</sup>	9.0	(Yes)	(Yes)
<video>: H.264 and AAC in MP4	(Yes) <sup>[4]</sup>	(Yes) <sup>[11]</sup>	9.0	(Yes)	3.1
any other format	No support	No support	No support	No support	3.1 <sup>[12]</sup>

[https://developer.mozilla.org/en-US/docs/Web/HTML/Supported\\_media\\_formats#Browser\\_compatibility](https://developer.mozilla.org/en-US/docs/Web/HTML/Supported_media_formats#Browser_compatibility)