



(Responsive) Video



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HTML5 tests - video

[show page contents](#)

This page tests the `<video>` tag.

On the mobile side iPhone supports H.264, and that's it.

Contents of this table



See also the [key](#) to my compatibility tables.

Format	IE 9	FF 4.0b11	Saf 5	Chrome 9	Opera 11
H.264/MP4	yes	no	yes	yes	no
WebM	no	yes	no	yes	yes
Ogg/Theora	no	yes	no	yes	yes

Test cases

Note the syntax; IE and Firefox need the source and type.

```

<video controls>
  <source src="../videos/big_buck_bunny.mp4" type="video/mp4">
  <p>Your browser does not support H.264/MP4.</p>
</video>

```

<http://quirksmode.org/html5/tests/video.html>

Formats

MP4

WebM

Ogg ~~Theora~~

Codecs

H.264 / AAC

VP8 / Ogg Vorbis

Media queries

```
<video controls>  
  <source src="small.mp4" type="video/mp4" media="all and (max-width:480px)">  
  <source src="small.webm" type="video/webm" media="all and (max-width:480px)">  
  <source src="big.mp4" type="video/mp4">  
  <source src="big.webm" type="video/webm">  
</video>
```

```
function supports_mp4() {  
    return !!document.createElement('video').canPlayType('video/mp4;  
    codecs="avc1.42E01E"').replace(/^no$/,'');  
}  
  
function supports_flash() {  
    var hasFlash = false;  
    try {  
        var fo = new ActiveXObject('ShockwaveFlash.ShockwaveFlash');  
        if(fo) hasFlash = true;  
    }catch(e){  
        var fm = navigator.mimeTypes["application/x-shockwave-flash"];  
        if( fm && fm.enabledPlugin ) hasFlash = true;  
    }  
    return hasFlash;  
}
```

MP4 moov atom

```
ffmpeg -i input.mp4 -c:v copy -c:a copy -movflags faststart output.mp4
```

<http://ffmpeg.org/>

http://www.adobe.com/devnet/video/articles/mp4_movie_atom.html

Apple HTTP Live Streaming (HLS)

<https://developer.apple.com/streaming/>

Apple HTTP Live Streaming (HLS)

This test page was created by [Walter Ebert](#). HLS support on Android requires version 3.0 or later.

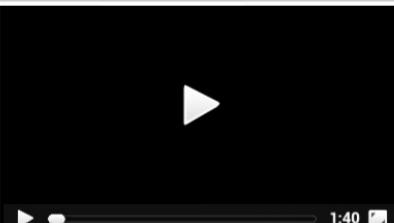
The videos are based on sources provided by [Sintel](#), the [Durian Open Movie Project](#). The [build script is available on Bitbucket](#).

Apache MIME type configuration

```
AddType application/x-mpegURL m3u8  
AddType video/mp2t ts
```

Note: AddType application/vnd.apple.mpegurl m3u8
#Does not work on Android

Demos

HTML5	HTML code
	<code><video controls width="480" height="270" src="sintel-trailer.m3u8"></code>
	<code><video controls width="480" height="270"> <source src="sintel-trailer.m3u8" type="application/x-mpegURL"> </video></code>



MPEG-DASH

<http://dashif.org/>

ORBX.js

- downloadable HD codec written in JS and WebGL
 - 25% better compression than H.264
 - adaptive bit-rate while streaming

Search:

border-radius, WebGL, woff, etc

[Import stats](#) [FAQ](#) [Resources](#) [Embed](#)

[Index](#)

[Tables](#)

[Compatibility tables](#)

[Browser comparison](#)

► Show options

= Supported = Not supported = Partially supported = Support unknown

Show all tables

WebGL - 3D Canvas graphics - Other

Method of generating dynamic 3D graphics using JavaScript, accelerated through hardware

Resources: [Instructions on enabling WebGL](#) [Tutorial](#) [Firefox blog post](#) [Webkit blog post](#)
[Polyfill for IE](#)

*Usage stats:		Global
Support:	0%	0%
Partial support:	48.4%	48.4%
Total:	48.4%	48.4%

Show all versions	IE	Firefox	Chrome	Safari	Opera	iOS Safari	Opera Mini	Opera Mobile	Android Browser
		3.6						10.0	2.1
	6.0	8.0				3.2		11.0	2.2
	7.0	9.0				4.0-4.1		11.1	2.3
	8.0	10.0	16.0	5.0		4.2-4.3		11.5	3.0
Current	9.0	11.0	17.0	5.1	11.6	5.0	5.0-6.0	12.0	4.0
Near future	10.0	12.0	18.0	6.0	12.0				
Farther future		13.0	19.0						

Note: All support is currently listed as "partial" because not all users with these browsers have WebGL access. This is due to the additional requirement for users to have [up to date video drivers](#). Note that WebGL is part of the [Khronos Group](#), not the W3C.

[Feedback](#)

Parent feature: [Canvas \(basic support\)](#)

High Efficiency Video Coding (HEVC)

a.k.a. H.265

VP9

<https://en.wikipedia.org/wiki/VP9>

WebRTC???

<http://www.webrtc.org/>

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