

HTML TEST

how well does your browser support html5?

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THIS BROWSER SCORED

407

OUT OF 555 POINTS

This score was recorded using Safari on an Apple iPhone running iOS 11.3 ▼

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semantics

Parsing rules

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<!DOCTYPE html> triggers standards mode	Yes ✓
HTML5 tokenizer	Yes ✓
HTML5 tree building	Yes ✓

HTML5 defines rules for embedding SVG and MathML inside a regular HTML document. The following tests only check if the browser is following the HTML5 parsing rules for inline SVG and MathML, not if the browser can actually understand and render it.

Parsing inline SVG	Yes ✓
Parsing inline MathML	Yes ✓

Elements

25/30

Embedding custom non-visible data Yes ✓

New or modified elements

- ▶ Section elements Yes ✓
- ▶ Grouping content elements Yes ✓
- ▶ Text-level semantic elements Partial ○
- ▶ Interactive elements Partial ○

Global attributes or methods

- hidden attribute Yes ✓
- ▶ Dynamic markup insertion Yes ✓

Forms

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Field types

- ▶ input type=text Yes ✓
- ▶ input type=search Yes ✓
- ▶ input type=tel Yes ✓
- ▶ input type=url Yes ✓
- ▶ input type=email Yes ✓
- ▶ input type=date Yes ✓
- ▶ input type=month Yes ✓
- ▶ input type=week Yes ✓
- ▶ input type=time Yes ✓
- ▶ input type=datetime-local Yes ✓
- ▶ input type=number Yes ✓
- ▶ input type=range Yes ✓
- ▶ input type=color No ✗
- ▶ input type=checkbox Yes ✓
- ▶ input type=image Yes ✓
- ▶ input type=file Partial ○
- ▶ textarea Yes ✓
- ▶ select Yes ✓
- ▶ fieldset Yes ✓

Forms

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▶ <code>dataList</code>	NO ✗
▶ <code>output</code>	Yes ✓
▶ <code>progress</code>	Yes ✓
▶ <code>meter</code>	Yes ✓

Fields

▶ Field validation	Yes ✓
▶ Association of controls and forms	Yes ✓
▶ Other attributes	Yes ✓
▶ CSS selectors	Yes ✓
▶ Events	Yes ✓

Forms

▶ Form validation	Yes ✓
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Web Components

6/10

Custom elements	No ✗
Shadow DOM	Yes ✓
HTML templates	Yes ✓
HTML imports	No ✗

device access

Location and Orientation

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Geolocation	Yes ✓
Device Orientation	Yes ✓
Device Motion	Yes ✓

Output

0/10

Full screen support	No ✗
Web Notifications	No ✗

Input

0/10

Gamepad control	No	✗
Pointer Events	No	✗
Pointer Lock support	No	✗

connectivity

Communication 25/40

Server-Sent Events	Yes	✓
Beacon	Yes	✓
Fetch	Yes	✓

XMLHttpRequest Level 2

Upload files	Yes	✓
▶ Response type support	Yes	✓

WebSocket

Basic socket communication	No	✗
ArrayBuffer and Blob support	No	✗

Streams 4/6

Readable streams	Yes	✓
Writable streams	No	✗

Peer To Peer 0/45

Connectivity

WebRTC 1.0	No	✗
ObjectRTC API for WebRTC	No	✗
Data channel	No	✗

Input

Access the webcam	No	✗
Screen Capture	No	✗
Enumerate devices	No	✗

Peer To Peer 0/45

Recording

Media Stream recorder

No ✗

performance & integration

User interaction

18/20

Drag and drop

- ▶ Attributes No ✗
- ▶ Events No ✗

HTML editing

- ▶ Editing elements Yes ✓
- ▶ Editing documents Yes ✓
- ▶ CSS selectors Yes ✓
- ▶ APIs Yes ✓

Clipboard

Clipboard API and events Yes ✓

Spellcheck

spellcheck attribute Yes ✓

Performance

10/12

Workers

- Web Workers Yes ✓
- Shared Workers No ✗

Other

window.requestIdleCallback No ✗

Security

26/32

Web Cryptography API Yes ✓

Content Security Policy 1 Yes ✓

Content Security Policy 2 Yes ✓

Cross-Origin Resource Sharing Yes ✓

Subresource Integrity 26/32 ✓

Cross-document messaging	yes	✓
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Authentication

Web Authentication / FIDO 2	No	✗
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Credential Management	No	✗
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Iframes

Sandboxed iframe	Yes	✓
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iframe with inline contents	Yes	✓
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Payments

0/5

Web Payments	No	✗
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multimedia

Video

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video element	Yes	✓
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Subtitles	Yes	✓
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Audio track selection	Yes	✓
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Video track selection	Yes	✓
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Poster images	Yes	✓
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Codec detection	Yes	✓
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Video codecs

MPEG-4 ASP support	No	✗
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H.264 support	No	✗
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H.265 support	No	✗
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Ogg Theora support	No	✗
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WebM with VP8 support	No	✗
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WebM with VP9 support	No	✗
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Audio

25/30

audio element	Yes	✓
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Loop audio	25/30	✓
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Preload in the background		✓
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Advanced

Web Audio API	Prefixed	✓
Speech Recognition	No	✗
Speech Synthesis	Yes	✓

Audio codecs

PCM audio support	No	✗
MP3 support	No	✗
AAC support	No	✗
Dolby Digital support	No	✗
Dolby Digital Plus support	No	✗
Ogg Vorbis support	No	✗
Ogg Opus support	No	✗
WebM with Vorbis support	No	✗
WebM with Opus support	No	✗

Streaming

0/5

Media Source extensions	No	✗
DRM support	No	✗

Adaptive bit rate

Dynamic Adaptive Streaming / MPEG-DASH	No	✗
HTTP Live Streaming / HLS	No	✗

Codecs

▶ Video codecs	No	✗
▶ Audio codecs	No	✗

3d, graphics & effects

Responsive images

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picture element	Yes	✓
srcset attribute	Yes	✓
sizes attribute	Yes	✓

2D Graphics

24/25

Canvas 2D graphics

Yes ✓

Drawing primitives

Text support

Yes ✓

Path support

Yes ✓

Ellipse support

Yes ✓

Dashed line support

Yes ✓

System focus ring support

Yes ✓

Features

Hit testing support

No ✗

Blending modes

Yes ✓

Image export formats

PNG support

Yes ✓

JPEG support

Yes ✓

JPEG-XR support

No ✗

WebP support

No ✗

3D and VR

15/23

3D Graphics

WebGL

Yes ✓

WebGL 2

No ✗

VR Headset

WebVR

No ✗

Animation

5/8

Web Animations API

No ✗

window.requestAnimationFrame

Yes ✓

Web applications

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Web applications

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Offline resources

Application Cache	Yes	✓
Service Workers	No	✗
Push Messages	No	✗

Content and Scheme handlers

Custom scheme handlers	No	✗
Custom content handlers	No	✗

Storage

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Key-value storage

Session Storage	Yes	✓
Local Storage	Yes	✓

Database storage

IndexedDB	Yes	✓
Objectstore B1ob support	Yes	✓
Objectstore ArrayBuffer support	Yes	✓

The Web SQL Database specification is no longer being updated and has been replaced by IndexedDB. Because at least 3 vendors have shipped implementations of this specification we still include it in this test.

Web SQL Database	Yes	✓
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Files

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Reading files

Basic support for reading files	Yes	✓
Create a B1ob from a file	Yes	✓
Create a Data URL from a B1ob	Yes	✓
Create an ArrayBuffer from a B1ob	Yes	✓
Create a Blob URL from a B1ob	Yes	✓

Accessing the file system

FileSystem API	No	✗
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The Directories and System API proposal has failed to gain traction among browser vendors and is only supported in some Webkit based browsers. No additional points are awarded for

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supporting this API.

File API: Directories and System

No ✗

other**Scripting****30****Script execution**

Asynchronous script execution	Yes ✓
Deferred script execution	Yes ✓
Script execution events	No ✗
Runtime script error reporting	Yes ✓

ECMAScript 5

JSON encoding and decoding	Yes ✓
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ECMAScript 6

Modules	Yes ✓
Classes	Yes ✓
Arrow functions	Yes ✓
Promises	Yes ✓
Template strings	Yes ✓
Typed arrays	Yes ✓
Internationalization	Yes ✓

ECMAScript 7

Async and Await	Yes ✓
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Other API's

Base64 encoding and decoding	Yes ✓
Mutation Observer	Yes ✓
URL API	Yes ✓
Encoding API	Yes ✓

Other**9**

Session history	Yes ✓
Page Visibility	Yes ✓
Text selection	Yes ✓

Text selection

Yes ✓

Scroll into view

Yes ✓

Created by Niels Leenheer.

Please note that the HTML5 test is not affiliated with the W3C or the HTML5 working group.

HTML5 Logo by [W3C](#). Browser detection by [WhichBrowser](#).

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