

MOBILE HTML



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Trying to understand HTML5 compatibility on mobile and tablet browsers

Feature	Safari on iOS	Android Browser		BlackBerry Browser		Nokia Browser		Internet Explorer	Opera		Firefox	webOS Browser
	iPhone, iPad	Phones (1-2.3, 4.0)	Tablets (3.0+)	Phones	Tablet	Meego - Nokia N9	Symbian	Windows Phone	Mobile	Mini	Android	
Version tested												
Minimum version tested	3.2	1.5	3.0	5.0	1.0	1.2	^3	9	11	5	6	1.4
Application Cache <u>W3C API</u> Offline package installation.	✓	✓ 2.1+	✓	✓ 6.0+	✓	✓			✓		✓	✓
Web storage <u>W3C API</u> Persistent and session storage.	✓	✓ 2.0+	✓	✓ 6.0+	✓	✓		✓	✓		✓	✓
Web SQL storage <u>W3C API (no active)</u> Persistent SQLite storage.	✓	✓ 2.0+	✓	✓ 6.0+	✓	✓			✓			✓
Geolocation <u>W3C API</u> Geolocation & tracking using GPS, cells or Wi-Fi.	✓	✓ 2.0+	✓	✓ 6.0+	✓	✓		✓	✓		✓	✓
Multimedia <u>W3C API</u> Video & Audio Players	✓	✓ 2.3+	✓	✓ 7.0+	✓	✓		✓	✓		✓	✓
Server-Sent Events <u>W3C API</u> EventSource pattern to maintain the connection to the server open	✓ 4.1+					✓			✓		✓	
Web Sockets <u>W3C API</u> Newbidirectional protocol	✓ 4.2+			✓ 6.1+	✓				✓		✓ 7+	

Always use feature detection.

New tests, new features, more info per feature and more mobile browsers soon!

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Feature	Safari on iOS	Android Browser		BlackBerry Browser		Nokia Browser		Internet Explorer	Opera		Firefox	webOS Browser
over HTTP												
Feature	Safari on iOS	Android Browser		BlackBerry Browser		Nokia Browser		Internet Explorer	Opera		Firefox	webOS Browser
Version tested	iPhone, iPad	Phones (1.0-2.3)	Tablets (3.0+)	Phones	Tablet	Meego - Nokia N9	Symbian	Windows Phone	Mobile	Mini	Android	
Web Workers <u>W3C API</u> Threading and background process communications	✓ 5.0+			✓ 6.0+	✓	✓			✓		✓	
Canvas API <u>W3C API</u> 2D Drawing API	✓	✓	✓	✓	✓	✓	Anna+	✓	✓	✓	✓	✓
SVG <u>W3C Working Group</u> Scalable Vector Graphics	✓	✓ 4.0+	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Motion Sensors <u>W3C Standard</u> Accelerometer, Gyroscope, Magnetometer	✓ 4.2	✓ 4.0+	✓			✓					✓ moz (custom)	
HTML5 Form Virtual Keyboards <u>W3C Standard</u> Text Inputs with different keyboards	✓			✓	✓	✓	Anna+	✓	✓		✓	
HTML5 Form New Controls <u>W3C API</u> At least: Date, Time, Month, Range	✓ 5.0+		✓						✓		✓	
Touch Events <u>W3C API</u> touchstart, touchend, touchmove, touchcancel	✓	✓ 2.1+	✓	✓ 6.1+	✓	✓			✓ (android)		✓	
Feature	Safari	Android		BlackBerry		Nokia		Internet	Opera		Firefox	webOS



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	on iOS	Browser		Browser		Browser		Explorer				Browser
Version tested	iPhone, iPad	Phones (1.0-2.3)	Tablets (3.0+)	Phones	Tablet	Meego - Nokia N9	Symbian	Windows Phone	Mobile	Mini	Android	
CSS 3 Basic <u>W3C Standard</u> opacity, backgrounds, text effects, rounded corners	✓	✓	✓	✓ 6.0	✓	✓	✓ Anna+	✓	✓	✓ partial	✓	✓
CSS 3 Transforms 2D <u>W3C Standard</u> rotate, translate, scale, skew, matrix	✓	✓ 2.0+	✓	✓ 6.0	✓	✓	✓ Anna+	✓	✓	✓ partial	✓	✓
CSS 3 Transforms 3D <u>W3C Standard</u> scale3d, translate3d. Perspective, Backface	✓	✓ 4.0+	✓		✓	✓						
CSS 3 Transitions <u>W3C Standard</u> Animations between two states	✓	✓ 2.0+	✓	✓ 6.0	✓	✓	✓ Anna+		✓		✓	✓
CSS 3 Animations <u>W3C Standard</u> Animations with keyframes	✓	✓ 2.0+	✓	✓ 6.0	✓	✓	✓ Anna+				✓	✓
Viewport definition <u>W3C API</u> Meta tag support.	✓	✓ supports target-densityDpi	✓	✓	✓	✓	✓ Anna+	✓	✓ supports css & meta		✓	✓
Position: fixed support <u>W3C Standard</u> Ability to maintain an element fixed in the viewport while scrolling / zooming	✓ 5.0+	✓ 2.2+ & non scalable viewport	✓ 3.1+	✓ 7.0+	✓	✓						



Feature	Safari on iOS	Android Browser	BlackBerry Browser	Nokia Browser	Internet Explorer	Opera	Firefox	webOS Browser
CORS <u>W3C API</u> Cross origin Resource Sharing, for cross domain AJAX request	✓	✓ 4.0+	✓					
HTML Media Capture <u>W3C API</u> Taking pictures, record video and audio from an input file type		✓ 4.0+	✓					
IndexedDB <u>W3C API</u> Agnostic database system (replacement for Web SQL)							✓	



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