

Google Chrome version history

Google Chrome is a freeware web browser developed by Google LLC. The development process is split into different "release channels", each working on a build in a separate stage of development. Chrome provides 4 channels: Stable, Beta, Dev, and Canary. On the stable builds, Chrome is updated every two to three weeks for minor releases and every six weeks for major releases.^[1]

The following table summarizes the release history for the Google Chrome web browser.

	Discontinued		Stable channel		Beta channel		<u>Dev channel</u>		<u>Canary channel</u>
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Major version	Release date	Layout engine ^[r 1]	V8 engine ^[r 2]	Significant changes
0.2.149	2008-09-02	<u>WebKit</u> 522	0.3	<ul style="list-style-type: none"> ▪ First release^[r 3]
0.3.154	2008-10-29			<ul style="list-style-type: none"> ▪ Improved plugin performance and reliability ▪ Spell checking for input fields ▪ Improved <u>web proxy</u> performance and reliability ▪ Tab and window management updates
0.4.154	2008-11-24			<ul style="list-style-type: none"> ▪ Bookmark manager with import and export support ▪ Privacy section added to the application options ▪ New blocked popup notification
1.0.154	2008-12-11			<ul style="list-style-type: none"> ▪ First stable release
2.0.172	2009-05-24	WebKit 530	0.4	<ul style="list-style-type: none"> ▪ 35% faster JavaScript on the SunSpider benchmark ▪ Mouse wheel support ▪ Full-screen mode ▪ Full-page zoom ▪ Form auto-fill ▪ Sort bookmarks by title ▪ Tab docking to browser and desktop edges ▪ Basic <u>Greasemonkey</u> support^[r 4]
3.0.195	2009-10-12	WebKit 532	1.2	<ul style="list-style-type: none"> ▪ New "new tab" page for improved customization ▪ 25% faster JavaScript ▪ <u>HTML5</u> video and audio tag support ▪ Lightweight theming
4.0.249	2010-01-25	WebKit 532.5	1.3	<ul style="list-style-type: none"> ▪ Extensions ▪ Bookmark synchronization ▪ Enhanced developer tools ▪ Improved HTML5 support ▪ Performance improvements ▪ Full ACID3 pass ▪ HTTP byte range support ▪ Experimental new anti-reflected-XSS feature called "XSS Auditor"^[r 5]
4.1.249	2010-03-17			<ul style="list-style-type: none"> ▪ Translate infobar ▪ New privacy features ▪ Disabled XSS Auditor^[r 6]
5.0.375	2010-05-21	WebKit 533	2.1	<ul style="list-style-type: none"> ▪ Browser preference synchronizing ▪ Increased HTML5 support (<u>Geolocation API</u>, App Cache, web

				<ul style="list-style-type: none"> sockets, and file drag-and-drop) ▪ Revamped bookmark manager ▪ <u>Adobe Flash Player</u> integrated^{[r 7][r 8]} ▪ First stable releases for macOS, 32 bit Linux, and 64 bit Linux^[r 9]
6.0.472	2010-09-02	WebKit 534.3	2.2	<ul style="list-style-type: none"> ▪ Updated and more streamlined UI with simplified Omnibox ▪ New tab page ▪ Merged menu buttons ▪ Form auto-fill ▪ Expanded synchronization support to include extensions and auto-fill data ▪ Support for WebM videos ▪ Built-in PDF support (disabled by default)^[r 10]
7.0.517	2010-10-21	WebKit 534.7	2.3.11	<ul style="list-style-type: none"> ▪ Implemented HTML5 parsing algorithm ▪ File API ▪ Directory upload via input tag ▪ macOS version gained <u>AppleScript</u> support for UI automation^[r 11] ▪ Late binding enabled for SSL sockets: high priority SSL requests are now always sent to the server first. ▪ New options for managing cookies ▪ Updated New Tab page to enable featuring of web applications
8.0.552	2010-12-02	WebKit 534.10	2.4.9	<ul style="list-style-type: none"> ▪ Chrome Web Store ▪ Built-in PDF viewer that works inside Chrome's sandbox for increased security ▪ Expanded synchronization support to include web applications ▪ Improved plug-in handling^[r 12] ▪ This release added "about:flags" to showcase experimental features such as Chrome Instant, side tabs on Windows, tabbed settings, Click to Play, background web applications, Remoting, disables outdated plug-ins, XSS Auditor, Cloud Print Proxy, GPU-accelerated compositing, WebGL support for the <u>canvas</u> element, and a "tab overview" mode (like <u>Exposé</u>) for <u>macOS</u>.
9.0.597	2011-02-03	WebKit 534.13	2.5.9	<ul style="list-style-type: none"> ▪ WebGL enabled by default ▪ <u>Adobe Flash</u> sandboxing on <u>Windows</u> and <u>Chrome Instant</u> (a la <u>Google Instant</u>) option^[r 13] ▪ <u>WebP</u> support^[r 14] ▪ New flags: print preview, GPU-accelerated compositing, GPU-accelerated Canvas 2D, <u>Google Native Client</u>, CRX-less Web Apps,

				Web page prerendering, experimental Extension APIs, disable hyperlink auditing
10.0.648	2011-03-08	WebKit 534.16	3.0.12	<ul style="list-style-type: none"> ▪ Google Cloud Print sign-in interface enabled by default ▪ Partially implemented sandboxing of the GPU process^{[r 15][r 16]} ▪ Faster JavaScript performance due to incorporation of Crankshaft, an improved compiler for V8^[r 17] ▪ Settings pages that open in a tab, rather than a dialog box ▪ Malware reporting and disabling outdated plugins ▪ Password sync ▪ GPU accelerated video ▪ Background WebApps ▪ webNavigation extension API^[r 18]
11.0.696	2011-04-27	WebKit 534.24	3.1.8	<ul style="list-style-type: none"> ▪ HTML5 Speech Input API^[r 19] ▪ Updated icon^[r 20]
12.0.742	2011-06-07	WebKit 534.30	3.2.10	<ul style="list-style-type: none"> ▪ Hardware accelerated 3D CSS ▪ New Safe Browsing protection against downloading malicious files ▪ Ability to delete Flash cookies from inside Chrome^[r 21] ▪ Launch Apps by name from the Omnibox ▪ Integrated Sync into new settings pages ▪ Improved screen reader support ▪ New warning when hitting Command-Q on Mac^[r 21] ▪ New flags: P2P API ▪ Existing tab on foreground on open ▪ Experimental new tab page ▪ Add grouping to tab context menu ▪ Run PPAPI Flash in the renderer process ▪ Multiple profiles ▪ Removed Google Gears ▪ Print and Save buttons in the PDF viewer^[r 22]
13.0.782	2011-08-02	WebKit 535.1	3.3.10	<ul style="list-style-type: none"> ▪ Instant Pages (pre-rendering of Web pages)^[r 23] ▪ Native print interface and preview (Linux and Windows only) ▪ Experimental new tab page ▪ Experimental Restrict Instant To Search option
14.0.835	2011-09-16		3.4.14	<ul style="list-style-type: none"> ▪ Native Client (NaCl) enabled for apps in the Chrome Web Store^[r 24] ▪ Web Audio API

				<ul style="list-style-type: none"> ▪ Additional macOS Lion feature support ▪ Sync Encryption for all data ▪ Print preview on Mac ▪ Validation of HTTPS sites^[r 25] ▪ Experimental Web Request extension API ▪ Experimental Content Settings extension API^[r 26]
15.0.874	2011-10-25	WebKit 535.2	3.5.10	<ul style="list-style-type: none"> ▪ Faster print preview^[r 27] ▪ Redesigned new tab page on by default^[r 27] ▪ JavaScript fullscreen API enabled by default^[r 27] ▪ Inline installation of Chrome Web Store items by verified sites ▪ Omnibox History synchronization^[r 28] ▪ Switched to FFmpeg native VP8 decoder^[r 29] ▪ Extensions integrated into settings pages ▪ GPU Accelerated Canvas 2D disabled
16.0.912	2011-12-13	WebKit 535.7	3.6.6	<ul style="list-style-type: none"> ▪ Multiple profiles on by default^[r 28] ▪ Optional permissions in Chrome extensions, so the user can opt-in or opt-out of the optional permissions at installation time^[r 30] ▪ Experimental support for side tabs was removed.^[r 31]
17.0.963	2012-02-08	WebKit 535.11	3.7.12	<ul style="list-style-type: none"> ▪ Updated Omnibox prerendering of pages^[r 32] ▪ Download scanning protection^[r 32] ▪ New extensions APIs^[r 32] ▪ Improved History tab ▪ Removal of "+" symbol from the "new tab" button ▪ Limited support for changing user agent strings ▪ Adjustable margins in print preview^[r 33] ▪ Search engine synchronization^[r 34] ▪ Disabled GAIA profile info^[r 35]
18.0.1025	2012-03-28 2012-06-27 (Android ARM) 2012-09-26 (18.0.1026, Android x86)	WebKit 535.19	3.8.9	<ul style="list-style-type: none"> ▪ Hardware-accelerated Canvas2D graphics^[r 36] ▪ WebGL without the need of 3D graphics hardware through the software rasterizer SwiftShader^[r 36] ▪ Brighter "new tab" button^[r 37]
19.0.1084	2012-05-15 2012-06-28 (iOS)	WebKit 536.5	3.9.24	<ul style="list-style-type: none"> ▪ Access tabs between devices^[r 38]

				<ul style="list-style-type: none"> ▪ Reorganized and searchable settings interface ▪ Better spell check by using the Google search engine spell checker ▪ Web Store link to the bottom of New Tab page ▪ Experimental JavaScript Harmony (ECMAScript 6) support^[r 39] ▪ Experimental Web Intents API^[r 40]
20.0.1132	2012-06-26	WebKit 536.10	3.10.6	<ul style="list-style-type: none"> ▪ Experimental touch friendly user interface adjustments. Context menus have extra vertical padding between items.^[r 41] ▪ New tab button is bigger and wider
21.0.1180	2012-07-31 2012-08-22 (iOS)	WebKit 537.1	3.11.10	<ul style="list-style-type: none"> ▪ Media Stream API (getUserMedia) enabled by default. (E.g. webcam access via JavaScript.)^[r 42] ▪ Gamepad API prototype available by default. ▪ Support for (pointer) and (hover) CSS media queries so sites can optimize their user interface for touch when touch-screen support is available. ▪ HTML5 audio/video and WebAudio now support 24-bit PCM wave files <ul style="list-style-type: none"> ▪ Note: This is the last version of Chrome that will run on Mac OS X 10.5.8 Leopard. (undocumented)
22.0.1229	2012-09-25	WebKit 537.4	3.12.19	<ul style="list-style-type: none"> ▪ New-style packaged apps are enabled by default. ▪ New menu icon, replacing the wrench icon ▪ Support for TLS 1.1^{[r 43][r 44]} ▪ Support for color management ICC v2 profiles by default^[r 45]
23.0.1271	2012-11-06 2012-11-28 (iOS)	WebKit 537.11	3.13.7	<ul style="list-style-type: none"> ▪ Do Not Track preference^[r 46] ▪ Hardware video acceleration with 25% more efficient power consumption in some scenarios ▪ Manager for site permission control ▪ New icon for Chrome Web Store when opening new tab ▪ PPAPI Flash Player (or Pepper-based Flash Player) replaced the NPAPI Flash Player on Mac also^[r 47]
24.0.1312	2013-01-10	WebKit 537.17	3.14.5	<ul style="list-style-type: none"> ▪ Support for MathML^[r 48] ▪ The HTML5 datalist element now supports suggesting a date and time^[r 48] ▪ Experimental support for CSS custom filters^{[r 48][r 49]}

25.0.1364	2013-02-21 2013-02-27 (Android) 2013-03-04 (iOS)	WebKit 537.22	3.15.11	<ul style="list-style-type: none"> Support for <u>Opus</u> audio Support for <u>VP9</u> video^[r 50] Silent installs of external extensions are now disabled by default.^[r 51] <u>Web Speech API</u>^[r 52] Encrypted omnibox search (https)^[r 53] Native Client on ARM Disabled <u>MathML</u> support for the time being^[r 54] <p>Android version (update from 18):</p> <ul style="list-style-type: none"> Newer V8 JavaScript engine Audio now continues to play while Chrome is in the background Support for pausing audio in Chrome when phone is in use
26.0.1410	2013-03-26 2013-04-03 (Android) 2013-04-09 (iOS)	WebKit 537.31	3.16.14	<ul style="list-style-type: none"> Improved spell checker (grammar and homonym checking)^[r 55] Desktop shortcuts for multiple users (profiles) on Windows^[r 55] Asynchronous DNS resolver on Mac and Linux^[r 55] <p>Android version:^[r 56]</p> <ul style="list-style-type: none"> Autofill and password sync Performance and stability improvements
27.0.1453	2013-05-21 2013-05-22 (Android) 2013-06-03 (iOS)	WebKit 537.36	3.17.6	<ul style="list-style-type: none"> Resource handling optimized for faster page loads^[r 57] Improved Omnibox predictions and spelling correction^[r 57] syncFileSystem API for Google Drive data synchronization^[r 57] Stop packaging Manifest version 1.0 extensions^[r 58] <p>Android version:^[r 59]</p> <ul style="list-style-type: none"> Fullscreen on phones (scrolling down the page makes the toolbar disappear) Simpler searching (the query stays visible in the omnibox, making it easier to edit) Client-side certificate support Tab history on tablets "A ton of stability and performance fixes"
28.0.1500	2013-06-17 (Linux) 2013-07-09 (macOS and Windows) 2013-07-10 (Android) 2013-07-17 (iOS)	<u>Blink</u> 28	3.18.5	<ul style="list-style-type: none"> Replaced layout engine with <u>Blink</u>, a fork of WebKit^{[r 60][r 61][r 62]} on all platforms besides iOS Faster page loads with the new Blink threaded HTML parser^[r 63]

				<ul style="list-style-type: none"> ▪ Rich Notifications and Notification Center (HTML-based notifications deprecated)^[r 64] ▪ Major improvements to the asm.js benchmark performances^[r 63] ▪ Support for the CSS :unresolved pseudoclass for Custom Elements^[r 63] ▪ Support for the CSS @supports conditional blocks to test for property:value pairs^[r 63] <p>Android version:</p> <ul style="list-style-type: none"> ▪ Fullscreen API support (fullscreen browsing on tablets)^[r 63] ▪ Experimental WebGL, Web Audio, WebRTC support behind flags^[r 63] ▪ Built-in translation^[r 65] <p>iOS version:</p> <ul style="list-style-type: none"> ▪ Improved interoperability with many other Google Apps^[r 66] ▪ Voice Search enhancements^[r 66] ▪ Fullscreen for iPad^[r 66] ▪ Data usage savings (rolling out over time)^[r 66] ▪ Access to browser history^[r 66]
29.0.1547	2013-08-20 (Linux, macOS, and Windows) 2013-08-21 (Android) 2013-09-12 (iOS)	Blink 29	3.19.18	<ul style="list-style-type: none"> ▪ Support for VP9 final ▪ Support for <u>TLS</u> 1.2 ▪ Preliminary QUIC support^[r 67] ▪ Improved Omnibox suggestions based on the recency of visited sites ▪ Ability to reset user profile back to its original state ▪ New apps and extensions APIs (such as Native Messaging API for connecting Chrome with native applications installed on the same computer - an alternative to NPAPI^[r 68]) <p>Android version:</p> <ul style="list-style-type: none"> ▪ WebRTC support^[r 69] ▪ WebAudio support^[r 69] ▪ Improved scrolling responsiveness^[r 70] and visual indication when scrolling to the top or bottom of a page^[r 69] ▪ Startup performance and stability improvements^[r 70] ▪ New color picker user interface for web forms^[r 69] ▪ Support for Google's experimental data compression service (comparable to <u>Opera Turbo</u>) that lets Google servers quickly read and

				<p>optimize a Web page for mobile devices, then transmit it to the smartphone using Google's <u>SPDY</u> network technology.</p> <ul style="list-style-type: none"> ▪ Rudimentary tab groups implemented <p>iOS version:</p> <ul style="list-style-type: none"> ▪ Get back to Search Results faster ▪ Data cost savings enhancements (rolled out incrementally) ▪ Voice search pronoun support (e.g. queries like: "Who is the president of the United States?" followed by "Who is his wife?") ▪ Improvements to Single Sign On with other Google Apps^[r 71] ▪ Support for <u>WebP</u> image format^[r 72]
30.0.1599	<p>2013-09-18 (iOS)</p> <p>2013-10-01 (Linux, macOS, and Windows)</p> <p>2013-10-02 (Android)</p>	Blink 30	3.20.17	<ul style="list-style-type: none"> ▪ New image context menu item: "Search Google for this image" ▪ New Chrome Apps APIs: webview.request, media gallery write support and downloads^[r 73] ▪ New platform features (both in desktop and mobile): support for the WebRTC Device Enumeration API, allowing users to change their microphones and/or camera on the fly without having to restart the WebRTC call, DevTools now supports CSS source maps, Chrome will now match the behavior of IE and not honor the Refresh header or tags when the URL to be refreshed to has a javascript: scheme^[r 73] <p>Android version:</p> <ul style="list-style-type: none"> ▪ New gesture: swipe horizontally across the top toolbar to quickly switch tabs ▪ New gesture: drag vertically down from the toolbar to enter into the tab switcher view ▪ New gesture: drag down from the menu to open the menu and select wanted item without having to lift finger ▪ WebGL is enabled by default on high-end devices^[r 73] ▪ DeviceMotion (device acceleration and rotation rates) events^[r 73] ▪ Media Source Extension is enabled on Android 4.1+^[r 73] ▪ Two new experimental features behind a flag: Web Speech API (recognition) and the Vibration API^[r 73] <p>iOS version:</p>

				<ul style="list-style-type: none"> ▪ New look and feature enhancements for iOS7 ▪ Improvements to Fullscreen behavior especially on iPad (iOS7 only) ▪ New Settings UI ▪ Maps and email links launch the Google Maps and Gmail apps (if installed) automatically. You can change your preference in Settings ▪ Stability / security improvements and bug fixes^[r 74]
31.0.1650	2013-11-12 (Linux, macOS, and Windows) 2013-11-14 (Android) 2013-11-20 (iOS)	Blink 31	3.21.18	<ul style="list-style-type: none"> ▪ Payment requestAutocomplete() on Chrome for Android, Windows, Chrome OS ▪ PNaCl on desktop versions of Chrome ▪ New Chrome Apps APIs: With URL handlers for apps, Chrome App developers can now specify URLs to be handled by a Chrome App. For example, a document link on a website could open a document editor Chrome App. This gives users more seamless entry points into their favorite Chrome Apps. ▪ Directory access for Apps allows Chrome Apps to access and write to user-approved folders. This feature can be used to share files between a Chrome App and a native app. For example, a Chrome App code editor could modify files managed by a native Git client. ▪ SCTP for WebRTC Data Channel allows P2P data transfers between browsers to be either best effort, reliable, or semi reliable, opening up use cases such as gaming. ▪ Alpha channel support for WebM video enables transparency masking (a.k.a. green screen effects) in WebM videos. ▪ Speech recognition with the JavaScript Web Speech API is now supported on Chrome for Android. ▪ window.devicePixelRatio now takes full-page zoom (but not pinch zoom) into account ▪ Support for { alpha: false } in getContext('2d') lets you create an opaque canvas. This is similar to existing WebGL functionality and can improve the rendering performance of your app. ▪ The Media Source API has been unprefixed and is now supported on Chrome for Android. It allows JavaScript to generate media streams for playback, addressing use cases like adaptive streaming and time shifting live streams.

				<ul style="list-style-type: none"> 2D canvas now supports the "ellipse" method. Support for several Mutation Events has been removed. Consider using MutationObserver instead.^[r 75] <p>iOS version:</p> <ul style="list-style-type: none"> Fast form completion with Autofill Long press on an image to search for related images Stability / security improvements and bug fixes^[r 74]
32.0.1700	2014-01-14 (Linux, macOS, and Windows) 2014-01-15 (Android) 2014-01-27 (iOS)	Blink 32	3.22.24	<ul style="list-style-type: none"> Tab indicators for sound, webcam and casting A different look for Win8 Metro mode Automatically blocking malware files A number of new apps/extension APIs Various under-the-hood changes for stability and performance <p>Android version:</p> <ul style="list-style-type: none"> Add web page shortcuts right to your home screen more easily from the menu Reduce data usage in Chrome up to 50%. Visit Settings > Bandwidth management > Reduce data usage to enable.^[r 76] <p>iOS version:</p> <ul style="list-style-type: none"> Translate <ul style="list-style-type: none"> When you come across a page written in a language that you don't understand, just look for the translation bar. One tap and the page is quickly translated for you. Reduce Data Usage <ul style="list-style-type: none"> Reduce your data usage by up to 50%. Enable this feature and view your savings: Settings > Bandwidth > Reduce Data Usage. New Tab Page update to make searching faster and easier <ul style="list-style-type: none"> This feature is being rolled out and will be available to all users over time, beginning on iPhone.
33.0.1750	2014-02-18 (iOS) 2014-02-20 (Linux, macOS, and Windows) 2014-02-26 (Android)	Blink 33	3.23.17	<ul style="list-style-type: none"> Custom Elements^[r 77] Ogg Opus in MSE and <video>^[r 77] Page Visibility API^[r 77] VTT Cue^[r 77] Web Speech API (synthesis)^[r 77] Font-kerning^[r 77]

				<ul style="list-style-type: none"> ▪ requestAutocomplete()^[r 77] ▪ Speech Synthesis^[r 77] <p>Android version:</p> <ul style="list-style-type: none"> ▪ Download progress notification for file downloads using the Chrome network stack^[r 78] ▪ Updated help and feedback UI^[r 78] ▪ Support for <datalist> tag^[r 78] <p>iOS version:</p> <ul style="list-style-type: none"> ▪ Stability and security updates^[r 74]
34.0.1847	2014-04-02 (Android) 2014-04-08 (Linux, macOS, and Windows) 2014-04-29 (iOS)	Blink 34	3.24.35	<ul style="list-style-type: none"> ▪ Responsive Images and Unprefixed Web Audio ▪ Import supervised users onto new computers ▪ A different look for Windows 8 Metro mode ▪ A number of new apps/extension APIs ▪ New scroll bar look ▪ Ignores autocomplete="off" on password input fields <p>Android version:</p> <ul style="list-style-type: none"> ▪ Battery usage optimizations <p>iOS version:</p> <ul style="list-style-type: none"> ▪ Updated tour when you start Chrome for the first time ▪ Support for autocomplete in the omnibox for right to left languages
35.0.1916	2014-05-20 (Android) 2014-05-20 (Linux, macOS, and Windows) 2014-05-28 (iOS)	Blink 35	3.25.28	<ul style="list-style-type: none"> ▪ More developer control over touch input ▪ New JavaScript features ▪ Unprefixed Shadow DOM v0 ▪ A number of new apps/extension APIs ▪ <u>Opus</u> updated to version v1.1 <p>Android version:</p> <ul style="list-style-type: none"> ▪ Undo Tab Close ▪ Fullscreen video with Subtitles and HTML5 controls ▪ Support for some multi-window devices <p>iOS version:</p> <ul style="list-style-type: none"> ▪ Added right-to-left support to the omnibox for Arabic and Hebrew ▪ See your search term in the omnibox, instead of the long search query URL ▪ Easily refine your search queries and view more results on the search results page

				<ul style="list-style-type: none"> Stability improvements and bug fixes^[r 74] <p>Linux version:</p> <ul style="list-style-type: none"> Switched graphics interface backend from <u>GTK+</u> to Aura
36.0.1985	2014-07-15 (iOS) 2014-07-16 (Linux, macOS, and Windows) 2014-07-16 (Android)	Blink 36	3.26.31	<ul style="list-style-type: none"> Rich Notifications Improvements An Updated Incognito / Guest NTP design The addition of a Browser crash recovery bubble Multiple stability and performance improvements^[r 79] <p>Android version:</p> <ul style="list-style-type: none"> Improved text rendering on non-mobile optimized sites Doodles return to the new tab page^[r 80] <p>iOS version:</p> <ul style="list-style-type: none"> Allows mobile sites that have added Cast support to work with your Cast-enabled device Stability improvements and bug fixes^[r 81] <p>Linux version:</p> <ul style="list-style-type: none"> Chrome App Launcher^[r 79]
37.0.2062	2014-08-26 (Linux, macOS, and Windows) 2014-09-03 (Android) 2014-09-22 (iOS)	Blink 37	3.27.34	<ul style="list-style-type: none"> <u>DirectWrite</u> support on Windows for improved font rendering A number of new apps/extension APIs Multiple stability and performance improvements^[r 82] Removal of the showModalDialog API, breaking several enterprise web apps^[r 83] <p>Android version:</p> <ul style="list-style-type: none"> Signing into Chrome signs you into your favorite Google sites Updated look and feel with elements of <u>Material Design</u> Multiple performance improvements and bug fixes^[r 84] <p>Windows version:</p> <ul style="list-style-type: none"> 64-bit Windows support^[r 85]
38.0.2125	2014-10-07 (Linux, macOS, and Windows) 2014-10-07 (iOS) 2014-10-08 (Android)	Blink 38	3.28.71	<ul style="list-style-type: none"> A number of new apps/extension APIs Support for logging into sites using <u>FIDO U2F Security Key</u> (a USB or

				<p>smartcard security token) as a factor in 2-factor authentication^[r 86]</p> <ul style="list-style-type: none"> ▪ Under-the-hood changes for stability and performance^[r 87] <p>Android version:</p> <ul style="list-style-type: none"> ▪ Support for Battery Status and Screen orientation APIs ▪ Additional Material Design updates ▪ Bug fixes and performance improvements^[r 88] <p>iOS version:</p> <ul style="list-style-type: none"> ▪ Better support for iPhone 6 and 6+ ▪ Download and open files in Google Drive ▪ Stability improvements and bug fixes ▪ Security fix^[r 89]
39.0.2171	2014-11-12 (Android) 2014-11-18 (Linux, macOS, and Windows) 2014-11-24 (iOS)	Blink 39	3.29.88	<ul style="list-style-type: none"> ▪ Removes SSL/TLS protocol version fallback to SSLv3 ▪ 64-bit support for Mac ▪ A number of new apps/extension APIs ▪ Under-the-hood changes for stability and performance^[r 90] <p>Android version:</p> <ul style="list-style-type: none"> ▪ Number of bug fixes and performance improvements^[r 91] ▪ Experimental Reader Mode^[r 92] can be enabled via chrome://flags, is not available for tablets in this version
40.0.2214	2015-01-20 (iOS) 2015-01-21 (Linux, macOS, and Windows) 2015-01-21 (Android)	Blink 40	3.30.33	<ul style="list-style-type: none"> ▪ Disabled SSLv3 support by default ▪ The minimum SSL/TLS version can now be set through about:flags ▪ Updated info dialog for Chrome app on Windows and Linux ▪ A new clock behind/ahead error message^[r 93] <p>Android version:</p> <ul style="list-style-type: none"> ▪ Updated page info and content settings UI ▪ Number of bug fixes and performance improvements^[r 94] <p>iOS version:</p> <ul style="list-style-type: none"> ▪ New look with Material Design bringing bold graphics, fluid motion, and tactile surfaces ▪ iOS 8 optimizations and support for bigger phones ▪ Support handoff from Chrome to your default browser on macOS

				<ul style="list-style-type: none"> Stability improvements and bug fixes^[r 95]
41.0.2272	2015-03-03 (Linux, macOS, and Windows) 2015-03-11 (Android) 2015-03-16 (iOS)	Blink 41	4.1.0	<ul style="list-style-type: none"> A number of new apps/extension APIs Lots of under the hood changes for stability and performance^[r 96] Aero interface is disabled in Windows Vista <p>Android version:</p> <ul style="list-style-type: none"> The ability to pull to reload at the top of most pages A number of bug fixes and performance improvements^[r 97]
42.0.2311	2015-04-14 (Linux, macOS, and Windows) 2015-04-15 (Android) 2015-04-16 (iOS)	Blink 42	4.2.77	<ul style="list-style-type: none"> Support for NPAPI plugins disabled by default A number of new apps, extension and Web Platform APIs (including the Push API) Lots of under the hood changes for stability and performance^[r 98] Add Bookmark is now redesigned. <p>Android version:</p> <ul style="list-style-type: none"> Getting the latest updates from sites with notifications Adding your favorite sites to your homescreen is now even easier Bug fixes and speedy performance improvements^[r 99]
43.0.2357	2015-05-19 (Linux, macOS, and Windows) 2015-05-27 (Android) 2015-06-01 (iOS)	Blink 43	4.3.61	<ul style="list-style-type: none"> Numerous bug fixes and security fixes^[r 100] <p>Android version:</p> <ul style="list-style-type: none"> Faster Checkout – Quickly and securely complete checkout forms with data from Google Wallet Touch to Search – Learn more about words and phrases by touching them on your screen Bug fixes and speedy performance improvements^[r 101] No longer supports Android 4.0 (Ice Cream Sandwich)^{[r 102][r 103]}
44.0.2403	2015-07-21 (Linux, macOS, and Windows) 2015-07-22 (iOS) 2015-07-29 (Android)	Blink 44	4.4.63	<ul style="list-style-type: none"> A number of new apps/extension APIs Change in the loading page circle on Chrome tabs Lots of under the hood changes for stability and performance^[r 104] <p>Android version:</p> <ul style="list-style-type: none"> Fixed a boatload of bugs and performance issues.^[r 105]

				<p>iOS version:</p> <ul style="list-style-type: none"> ▪ Swipe to navigate: swipe right or left to navigate backwards and forwards ▪ Support for accessing Physical Web content from the Today view ▪ Stability improvements and bug fixes^[r 106]
45.0.2454	<p>2015-09-01 (Linux, macOS, and Windows) 2015-09-01 (Android) 2015-09-02 (iOS)</p>	Blink 45	4.5.103	<ul style="list-style-type: none"> ▪ Support for NPAPI plugins permanently disabled ▪ A number of fixes and improvements^[r 107] <p>Android version:</p> <ul style="list-style-type: none"> ▪ A number of fixes for a whole bunch of performance/stability/other issues.^[r 108]
46.0.2490	<p>2015-10-13 (Linux, macOS, and Windows) 2015-10-14 (Android) 2015-10-22 (iOS)</p>	Blink 46	4.6.85	<ul style="list-style-type: none"> ▪ Change in taskbar logo design ▪ A number of fixes and improvements.^[r 109] <p>Android version:</p> <ul style="list-style-type: none"> ▪ Under the hood performance and stability tweaks.^[r 110]
47.0.2526	<p>2015-12-01 (iOS) 2015-12-01 (Linux, macOS, and Windows) 2015-12-02 (Android)</p>	Blink 47	4.7.80	<ul style="list-style-type: none"> ▪ Change in appearance on closing tabs with red x's ▪ New PDF viewer design ▪ Security fixes^[r 111] <p>Android version:</p> <ul style="list-style-type: none"> ▪ "More than a barge load of performance and stability fixes".^[r 112] <p>iOS version:</p> <ul style="list-style-type: none"> ▪ Added support for more keyboard shortcuts. Bluetooth keyboards can open, close or change tabs or conduct a voice search. ▪ Support for 3D touch on iPhone 6s/+. Force touch the Chrome icon to quickly open a new tab, a new incognito* tab, or conduct a voice search.
48.0.2564	<p>2016-01-20 (Linux, macOS, and Windows) 2016-01-27 (iOS) 2016-01-27 (Android)</p>	Blink 48	4.8.271	<ul style="list-style-type: none"> ▪ "Tab discarding" was enabled by default in chrome://flags ▪ Window change in right-clicking an embedded web link ▪ The key icon in "Save your password" turns black ▪ "Clear browsing history" has been improved ▪ A large number of fixes and improvements^[r 113]

				<p>Android version:</p> <ul style="list-style-type: none"> ▪ Bug fixes and speedy performance improvements. <p>iOS version:</p> <ul style="list-style-type: none"> ▪ This version uses WKWebView, the latest rendering engine from Apple. ▪ The crash rate was reduced by 70% and JavaScript execution is now faster. ▪ Redesigned icons on the New Tab page: easier access to more of your frequently-visited sites. ▪ Spotlight integration: Drag down or right from the Home screen and search for your Chrome bookmarks.
49.0.2623	2016-03-02 (Linux, macOS, and Windows) 2016-03-09 (iOS) 2016-03-09 (Android)	Blink 49	4.9.385	<ul style="list-style-type: none"> ▪ Extension icons now appear near search tab. ▪ Changes in bookmark bar appearances. ▪ Change in Incognito mode window. ▪ Change in scrollbar movement. ▪ Changed Downloads page appearance/design. ▪ A large number of fixes and improvements^[r 114] ▪ Removed Windows 8 Mode (Metro mode) ▪ Last version available for Windows XP and Vista, as well as Mac OS X 10.6, 10.7, and 10.8. <p>Android version:</p> <ul style="list-style-type: none"> ▪ "More than a barge full of performance and stability fixes."^[r 115] <p>iOS version:</p> <ul style="list-style-type: none"> ▪ Bookmarks has a new look: Easily find your favorites! ▪ Bug and stability fixes.
50.0.2661	2016-04-13 (Linux, macOS, and Windows) 2016-04-20 (iOS) 2016-04-26 (Android)	Blink 50	5.0.71	<ul style="list-style-type: none"> ▪ Auto-fill form letters are now highlighted in bold. ▪ A number of fixes and improvements.^[r 116] ▪ No longer supports Windows XP and Vista, and Mac OS X 10.6, 10.7, and 10.8. <p>Android version:</p> <ul style="list-style-type: none"> ▪ Bug fixes and speedy performance improvements. <p>iOS version:</p> <ul style="list-style-type: none"> ▪ Bug and stability fixes.
51.0.2704	2016-05-25	Blink 51	5.1.281	

	(Linux, macOS, and Windows) 2016-06-01 (iOS) 2016-06-01 (Android)			<ul style="list-style-type: none"> ▪ A number of fixes and improvements.^[r 117] <p>Android version:</p> <ul style="list-style-type: none"> ▪ Brought tab switching back into Chrome (Android L+)^[r 118] ▪ Bug fixes and speedy performance improvements. <p>iOS version:</p> <ul style="list-style-type: none"> ▪ Bug and stability fixes.
52.0.2743	2016-07-20 (Linux, macOS, and Windows) 2016-07-27 (iOS) 2016-07-27 (Android)	Blink 52	5.2.361	<ul style="list-style-type: none"> ▪ It is impossible to disable <u>DirectWrite</u>. ▪ Bar on the bottom now shows darker text when hovering your mouse over the link. ▪ "A number of fixes and improvements."^[r 119] <p>Android version:</p> <ul style="list-style-type: none"> ▪ Bug fixes and speedy performance improvements^[r 120] <p>iOS version:</p> <ul style="list-style-type: none"> ▪ <u>Accelerated Mobile Pages</u> ("AMP") – news and articles from many of your favorite publishers will now load instantly. ▪ Lightning bolt and "AMP" next to articles in the "Top Stories" section of search results indicate faster web page loading.
53.0.2785	2016-08-31 (Linux, macOS, and Windows) 2016-09-07 (iOS) 2016-09-07 (Android)	Blink 53	5.3.332	<ul style="list-style-type: none"> ▪ New browser's inside look, including a new bookmark ▪ "A number of fixes and improvements."^[r 121] ▪ 'Simplify page' option removed from 'Save as PDF'. ▪ <u>Shadow DOM v1</u>^[2] <p>Android version:</p> <ul style="list-style-type: none"> ▪ Bug fixes and speedy performance improvements^[r 122] ▪ Muted autoplay for video^[r 123] <p>iOS version:</p> <ul style="list-style-type: none"> ▪ Chrome's History has a new look and it's now easier to review, find, and delete your browsing history. ▪ Voice Search has been updated with a fresh look. Voice Search can now answer contextual questions such as "How tall is the Eiffel Tower?" followed by "When was it built?"
54.0.2840	2016-10-12 (Linux, macOS, and Windows)	Blink 54	5.4.500	<ul style="list-style-type: none"> ▪ "Other bookmarks" tab has changed appearance

	2016-10-19 (iOS) 2016-10-19 (Android)			<ul style="list-style-type: none"> ▪ The message "Right-click to play Adobe Flash Player" now appears while pages with Adobe Flash Player are loading. ▪ "A number of fixes and improvements."^[r 124] <p>Android version:</p> <ul style="list-style-type: none"> ▪ Bug fixes and speedy performance improvements ▪ View article suggestions for you on the new tab page ▪ Play media in the background for sites that support it ▪ Update saved passwords when you change or reset your password^[r 125] <p>iOS version:</p> <ul style="list-style-type: none"> ▪ No internet connection? Smile and tap the dinosaur ▪ Fixed bookmark icons not displaying correctly ▪ Fixed phone number detection issues in web pages ▪ Stability improvements and bug fixes
55.0.2883	2016-12-01 (Linux, macOS, and Windows) 2016-12-05 (iOS) 2016-12-06 (Android)	Blink 55	5.5.372	<ul style="list-style-type: none"> ▪ The History page has changed and is no longer in "Settings" ▪ Flash Player is now off by default for most sites ▪ "A number of fixes and improvements."^[r 126] ▪ It is not possible to disable top level Material Design^[r 127] <p>iOS version:</p> <ul style="list-style-type: none"> ▪ You can swipe down or right from the iOS Home screen to search. Searching for "voice" or "incognito" enables you to start Chrome in Voice Search mode or in a new Incognito Tab, respectively. The appearance of items in Spotlight Search will only work for devices that support Spotlight Actions. ▪ The folder named "All Bookmarks" has been removed from the Bookmarks view. You can access all your other devices' Bookmarks by clicking on the other folders. <p>Android version:</p> <ul style="list-style-type: none"> ▪ Bug fixes and speedy performance improvements ▪ Easily download music, videos, and even full web pages for viewing offline ▪ View and share your downloads within Chrome

				<ul style="list-style-type: none"> See misspelled words highlighted in text fields Improvements to contextual search UI^[r 128]
56.0.2924	2017-01-25 (Linux, macOS, and Windows) 2017-02-01 (iOS) 2017-02-01 (Android)	Blink 56	5.6.326	<ul style="list-style-type: none"> HTML5 enabled by default Adobe Flash Player is automatically blocked for most sites that require the plugin Labeling of unsecured HTTP sites "A number of fixes and improvements."^[r 129] <p>iOS version:</p> <ul style="list-style-type: none"> Scan a QR code or barcode by using 3D Touch on the app logo or searching for "QR" in Spotlight. We've redesigned the tab switcher layout on iPad to make it easier to access your open sites. <p>Android version:</p> <ul style="list-style-type: none"> Easily download music, videos, and even full web pages for viewing offline View and share your downloads within Chrome See misspelled words highlighted in text fields Improvements to contextual search UI Bug fixes and significant memory savings^[r 130]
57.0.2987	2017-03-09 (Linux, macOS, and Windows) 2017-03-14 (iOS) 2017-03-16 (Android)	Blink 57	5.7.492	<ul style="list-style-type: none"> CSS grid layout Improved "Add to Home" screen Media Session API "A number of fixes and improvements."^[r 131] WebAssembly^[r 132] Background tab policy changes^[3] <p>iOS version:</p> <ul style="list-style-type: none"> Chrome can add pages to your Reading List. Find in Page now works correctly in iOS 10.3. <p>Android version:</p> <ul style="list-style-type: none"> Quickly use emails, addresses, and phone numbers in web pages by tapping on them Easily access downloaded files and web pages from the new tab page Long press article suggestions on the new tab page to download them Bug fixes and performance improvements^[r 133]

58.0.3029	2017-04-19 (Linux, macOS, and Windows) 2017-04-20 (Android) 2017-04-25 (iOS)	Blink 58	5.8.283	<ul style="list-style-type: none"> ▪ "A number of fixes and improvements."^[r 134] ▪ <u>IndexedDB</u> 2.0 ▪ Workers and SharedWorkers in data-URLs. <p>Android version:</p> <ul style="list-style-type: none"> ▪ Useful actions like "Find in page" available in apps that open web pages using Chrome ▪ More frequently updated article suggestions on the New Tab page ▪ Use recently visited search engines as your default search engine ▪ See Physical Web suggestions, based on your surroundings, in the address bar ▪ Bug fixes and performance improvements^[r 135] <p>iOS version:</p> <ul style="list-style-type: none"> ▪ Stability improvements and bug fixes.
59.0.3071	2017-06-05 (Linux, macOS, and Windows) 2017-06-06 (iOS) 2017-06-06 (Android)	Blink 59	5.9.211	<ul style="list-style-type: none"> ▪ "A number of fixes and improvements."^[r 136] ▪ Revamped Settings and "About Google Chrome" page with Material Design ▪ <u>Headless mode</u> in Linux and macOS.^[r 137] <p>iOS version:</p> <ul style="list-style-type: none"> ▪ Fixed a user-reported issue that resulted in hangs and significant slowdowns when switching tabs. ▪ Fixed a crash involving dialogs presented while switching tabs. ▪ Stability improvements and bug fixes. <p>Android version:</p> <ul style="list-style-type: none"> ▪ View and manage in-progress downloads on the Downloads page ▪ View and clear your browsing data more easily on the redesigned History page ▪ Long-press a link to open it in a new Chrome tab (from Chrome Custom Tabs) ▪ Bug fixes and performance improvements^[r 138]
60.0.3112	2017-07-25 (Linux, macOS, and Windows) 2017-07-25 (iOS) 2017-07-31 (Android)	Blink 60	6.0.286	<ul style="list-style-type: none"> ▪ MacBook Pro Touch Bar support. ▪ "A number of fixes and improvements."^[r 139] <p>iOS version:</p>

				<ul style="list-style-type: none"> ▪ "Request Mobile Site" button can switch from a website's desktop version back to its mobile version <p>Android version:</p> <ul style="list-style-type: none"> ▪ Load pages faster and use less memory with an updated JavaScript engine ▪ Bug fixes and performance improvements ▪ Clear browsing data more easily^[r 140]
61.0.3163	2017-09-05 (Linux, macOS, and Windows) 2017-09-05 (iOS) 2017-09-05 (Android)	Blink 61	6.1.534	<ul style="list-style-type: none"> ▪ Native support for JavaScript modules ▪ "A number of fixes and improvements."^[r 141] <p>iOS version:</p> <ul style="list-style-type: none"> ▪ Added a new button for scanning QR codes above the virtual keyboard <p>Android version:</p> <ul style="list-style-type: none"> ▪ Addition of Web Share API ▪ Bug fixes and performance improvements ▪ Translate pages with a more compact and intuitive toolbar ▪ Pick images to post online with an improved image picker^[r 142]
62.0.3202	2017-10-17 (Linux, macOS, and Windows) 2017-10-18 (iOS) 2017-10-19 (Android)	Blink 62	6.2.414	<ul style="list-style-type: none"> ▪ The "Save Your Password" icon gets a new appearance ▪ "A number of fixes and improvements."^[r 143] ▪ Support for OpenType variable fonts ▪ Network Information API updated to report users actual Internet speed, not just connection type, to websites ▪ HTTP sites that request user data will now be flagged as "non-secure" (red) in the Chrome Omnibox^[r 144] <p>iOS version:</p> <ul style="list-style-type: none"> ▪ Two new Today widgets are added by tapping the Edit button at the bottom of the iOS Search screen ▪ Ability to drag a URL from another app and drop it into Chrome's omnibox or the tab strip, or from Chrome's content area to another app on iOS 11 iPads ▪ The Payment Request API has been introduced <p>Android version:</p> <ul style="list-style-type: none"> ▪ Download files faster with accelerated downloads ▪ View and copy passwords saved with Chrome if device lock is enabled

				<ul style="list-style-type: none"> Quickly see your data savings in the Chrome menu when Data Saver is on^[r 145]
63.0.3239	2017-12-05 (iOS) 2017-12-05 (Android) 2017-12-06 (Linux, macOS, and Windows)	Blink 63	6.3.292	<ul style="list-style-type: none"> Various fixes from internal audits, fuzzing and other initiatives "A number of fixes and improvements."^[r 146] Browser allows you to import JavaScript modules dynamically With async generator functions and the async iteration protocol, consumption or implementation of streaming data sources becomes streamlined You can override the browser's default overflow scroll behavior with the CSS overscroll-behavior property^[r 147] <p>iOS version:</p> <ul style="list-style-type: none"> Swipe up on the New Tab Page to explore suggested content from the web The ability to reorder bookmarks is back! <p>Android version:</p> <ul style="list-style-type: none"> Chrome for Android will make permission requests modal dialogs "Stability and performance improvements."^[r 148]
64.0.3282	2018-01-23 (Android) 2018-01-24 (iOS) 2018-01-24 (Linux, macOS, and Windows)	Blink 64	6.4.388	<ul style="list-style-type: none"> "A number of fixes and improvements."^[r 149] Support for ResizeObservers, will notify you when an element's content rectangle has changed its size. Modules can now access to host specific metadata with import.meta. The pop-up blocker gets stronger. window.alert() no longer changes tab focus. Chrome now supports named captures in <u>regular expressions</u>. The default preload value for <audio> and <video> elements is now metadata. You can now use Request.prototype.cache to view the cache mode of a Request and determine whether a request is a reload request. Using the Focus Management API, you can now focus an element without scrolling to it with the preventScroll attribute.^[r 150] Extensions page generates packages in CRX3 format now.^[r 151]

			<p>Android version:</p> <ul style="list-style-type: none"> ▪ Prevents sites with abusive ad experiences from opening new windows or tabs without your permission. ▪ "Stability and performance improvements."^[r 152] <p>iOS version:</p> <ul style="list-style-type: none"> ▪ You can now disable Article Suggestions without also disabling omnibox suggestions by going to Chrome Settings ▪ If you previously turned off "Search and Site Suggestions" to disable Article Suggestions and would like to turn back on your Search Suggestions in the omnibox, you can do that from Chrome Settings > Privacy ▪ Support for <u>iPhone X</u> ▪ Now requires iOS 10 or later
65.0.3325	<p>2018-03-06 (Linux, macOS, and Windows)</p> <p>2018-03-06 (iOS)</p> <p>2018-03-06 (Android)</p>	Blink 65	<p>6.5.254</p> <ul style="list-style-type: none"> ▪ "A number of fixes and improvements."^[r 153] ▪ New extension UI ▪ The CSS Paint API allows you to programmatically generate an image ▪ The Server Timing API allows web servers to provide performance timing information via HTTP headers ▪ The new CSS display: contents property can make boxes disappear ▪ Fixed a bug that affected some timestamps ▪ The syntax for specifying HSL and HSLA, and RGB and RGBA coordinates for the color property now match the CSS Color 4 spec ▪ There's a new feature policy that allows you to control synchronous XHRs through an HTTP header or the iframe allow attribute^[r 154] ▪ Last version available for OS X 10.9. <p>Android version:</p> <ul style="list-style-type: none"> ▪ Set language preferences for web content in Settings > Languages ▪ Turn on the prompt for simplified view for all supported articles in Settings > Accessibility settings ▪ Share and delete downloads more easily on the Downloads page^[r 155] ▪ Disable screen capture on incognito mode^[4] <p>iOS version:</p> <ul style="list-style-type: none"> ▪ Fixed a bug that affected some streaming audio players

				<ul style="list-style-type: none"> Stability and performance improvements
66.0.3359	2018-04-17 (Linux, macOS, and Windows) 2018-04-17 (iOS) 2018-04-17 (Android)	Blink 66	6.6.346	<ul style="list-style-type: none"> "A number of fixes and improvements."^[r 156] CSS manipulation becomes easier with the new CSS Typed Model Object Access to the clipboard is now asynchronous There's a new rendering context for canvas elements TextArea and Select now support the autocomplete attribute Setting autocapitalize on a form element will apply to any child form fields, improving compatibility with Safari's implementation of autocapitalize trimStart() and trimEnd() are now available as the standards-based way of trimming whitespace from strings^[r 157] <p>Android version:</p> <ul style="list-style-type: none"> Find your saved passwords more easily – just tap the new Search icon in Settings > Passwords^[r 158] <p>iOS version:</p> <ul style="list-style-type: none"> Export passwords saved in Chrome and use them in another app Stability and performance improvements
67.0.3396	2018-05-29 (Linux, macOS, and Windows) 2018-05-29 (iOS) 2018-05-31 (Android)	Blink 67	6.7.288	<ul style="list-style-type: none"> "A number of fixes and improvements."^[r 159] Progressive Web Apps are coming to the desktop The generic sensor API makes it way easier to get access to device sensors like the accelerometer, gyroscope and more BigInt's make dealing with big integers way easier. Credential Management API provides a framework for creating, retrieving and storing credentials The Web Authentication API adds a third credential type, PublicKeyCredential, which allows browsers to authenticate a user with a private/public key pair generated by an authenticator^[r 160] <p>Android version:</p> <ul style="list-style-type: none"> "Stability and performance improvements."^[r 161] <p>iOS version:</p>

				<ul style="list-style-type: none"> ■ Improved handling of boarding passes, movie tickets, etc. in Wallet ■ Updated app selection UI when you tap on an email link ■ Improved support for external keyboards ■ Improved issue reporting: now you can draw on screenshots you are sending with feedback reports to obscure private data ■ A fix has been provided for autofill issue (June 13)
68.0.3440	2018-07-24 (iOS) 2018-07-24 (Linux, macOS, and Windows) 2018-07-24 (Android)	Blink 68	6.8.275	<ul style="list-style-type: none"> ■ "A number of fixes and improvements." ■ HTTP sites marked as "not secure".^[r 162] ■ The Page Lifecycle API tells you when your tab has been suspended or restored. ■ The Payment Handler API makes it possible for web-based payment apps to support the Payment Request experience. ■ Content embedded in an iframe requires a user gesture to navigate the top-level browsing context to a different origin. ■ Since Chrome 1, the CSS cursor values for grab and grabbing have been prefixed; standard, un-prefixed values now supported.^[r 163] <p>Android version:</p> <ul style="list-style-type: none"> ■ Fix for an Autofill issue.^[r 164] ■ The Add to Home Screen behavior on Android is changing to give you more control. <p>iOS version:</p> <ul style="list-style-type: none"> ■ Improved downloading from websites. Downloading now works while the app is in the background. You can also continue browsing in the same tab while your file downloads. ■ Improvements to Forms Autofill. ■ Improved handling of links to the App Store.
69.0.3497	2018-09-04 (Linux, macOS, and Windows) 2018-09-04 (iOS) 2018-09-04 (Android)	Blink 69	6.9.427	<ul style="list-style-type: none"> ■ "A number of fixes and improvements."^[r 165] ■ New browser interface ■ CSS Scroll Snap allows you to create smooth, slick, scroll experiences. ■ Display Cutouts lets you use the full area of the screen, including any space behind the display cutout, sometimes called a notch.

				<ul style="list-style-type: none"> ▪ The Web Locks API allows you to asynchronously acquire a lock, hold it while work is performed, then release it. ▪ You can now create color transitions around the circumference of a circle, using conic gradients. ▪ New toggleAttribute() method on elements toggles the existence of an attribute, similar to classList.toggle(). ▪ JavaScript arrays are getting two new methods: flat() and flatMap(). ▪ OffscreenCanvas moves work off the main thread in a worker, helping to eliminate performance bottlenecks.^[r 166] <p>Android version:</p> <ul style="list-style-type: none"> ▪ Secure and easy mobile payments via 3rd party payment apps ▪ Password generation now works on more sites^[r 167] <p>iOS version:</p> <ul style="list-style-type: none"> ▪ New bottom toolbar: easier to reach frequently used functions, like Back, Search, tabs, and the menu ▪ New tab grid: see bigger previews of your tabs, including tabs open on other devices ▪ Features like Bookmarks and Reading Lists are now easily accessible on the New Tab Page ▪ Press firmly on the app icon to see shortcuts (3D Touch) ▪ Credit cards you enter on your device are now securely synced to Google Pay for use on other devices (if enabled)
70.0.3538	2018-10-16 (Linux, macOS, and Windows) 2018-10-16 (iOS) 2018-10-17 (Android)	Blink 70	7.0.276	<ul style="list-style-type: none"> ▪ "A number of fixes and improvements."^[r 168] ▪ Desktop Progressive Web Apps on Windows ▪ The credential management API adds support for Public Key Credentials ▪ Named workers ▪ Web Bluetooth is now available in Windows 10 ▪ Chrome can send intervention and deprecation messages to your servers using the Report-To HTTP Response header field or surface them in the ReportingObserver interface ▪ Support for AV1 video decoder ("Main" profile 0)^[r 169] ▪ A number of important deprecations^[r 170]

				<p>Android version</p> <ul style="list-style-type: none"> ▪ "Stability and performance improvements"^[r 171] ▪ Cleaner, more modern design <p>iOS version:</p> <ul style="list-style-type: none"> ▪ Bug fixes and design polish for the redesign ▪ Updates to how Chrome launches other apps to improve reliability and security ▪ Fixes to authentication issues caused by using out-of-date cookies
71.0.3578	<p>2018-12-04 (Linux, macOS, and Windows)</p> <p>2018-12-04 (iOS)</p> <p>2018-12-04 (Android)</p>	Blink 71	7.1.302	<ul style="list-style-type: none"> ▪ "A number of fixes and improvements."^[r 172] ▪ Displaying relative times is now part of the Intl API ▪ Specifying which side of the text the underline should appear on for text that flows vertically ▪ Requiring user activation before using the speech synthesis API ▪ The default credentials mode for module script requests has changed from omit to same-origin ▪ Shadow DOM v1 spec; calculation for specificity for the :host() and :host-context() pseudo classes as well as for the arguments for ::slotted()^[r 173] ▪ Removed SpeechSynthesis.speak() without user activation ▪ Removed prefixed versions of APIs ▪ Removed URL.createObjectURL from MediaStream ▪ Removed document.origin ▪ Deprecations and removals of APIs^[r 174] <p>Android version:</p> <ul style="list-style-type: none"> ▪ The Element.requestFullscreen() method can now be customized ▪ "Stability and performance improvements."^[r 175] ▪ Last version available for <u>Android 4.1-4.3 (Jelly Bean)</u> <p>iOS version:</p> <ul style="list-style-type: none"> ▪ You can now long-press on an image and save to clipboard and paste in other apps ▪ Autofill now works better on sites with iframes (embedded pages)
72.0.3626	<p>2019-01-29 (Linux, macOS, and Windows)</p> <p>2019-01-29 (iOS)</p> <p>2019-01-29 (Android)</p>	Blink 72	7.2.502	<ul style="list-style-type: none"> ▪ "A number of fixes and improvements."^[r 176] ▪ Creating public class fields in JavaScript is now much cleaner

				<ul style="list-style-type: none"> ▪ New User Activation API ▪ Localizing lists becomes way easier with the Intl.format() API ▪ Chrome 72 changes the behavior of Cache.addAll() to better match the spec ▪ Requests for favicons are now handled by the service worker, as long as the request URL is on the same origin as the service worker^[r 177] ▪ Pages may no longer use window.open() to open a new page during unload ▪ Removal of HTTP-Based Public Key Pinning ▪ Removal of rendering FTP resources ▪ Deprecation of TLS 1.0 and TLS 1.1 ▪ Deprecation of PaymentAddress.languageCode^[r 178] <p>Android version:</p> <ul style="list-style-type: none"> ▪ "Stability and performance improvements."^[r 179] ▪ Now requires Android 4.4 or later^[5] <p>iOS version:</p> <ul style="list-style-type: none"> ▪ Support for more search engines ▪ Fixed crashes on some page translations and added translations on previously untranslated websites ▪ A Siri Shortcut to start a new search is available
73.0.3683	2019-03-12 (Linux, macOS, and Windows) 2019-03-12 (iOS) 2019-03-12 (Android)	Blink 73	7.3.492	<ul style="list-style-type: none"> ▪ "A number of fixes and improvements."^[r 180] ▪ Creating portable content is easier with signed HTTP exchanges ▪ Dynamically changing styles becomes way easier with constructable style sheets ▪ Support for Progressive Web Apps arrives on macOS, bringing support for PWAs to all desktop and mobile platforms ▪ matchAll() is a new regular expression matching method on the string prototype, and returns an array containing the complete matches ▪ The <link> element now supports imagesrcset and imagesizes properties to correspond to srcset and sizes attributes of HTMLImageElement ▪ Blink's shadow blur radius implementation now matches Firefox and Safari ▪ Dark mode is now supported on Mac, and Windows support is on the way^[r 181]

				<ul style="list-style-type: none"> ▪ Removal of EXPLAIN and REINDEX support in WebSQL ▪ Removal of isomorphic decoding of URL fragment identifier ▪ Deprecation of 'drive-by downloads' in sandboxed iframes^[r 182] ▪ Stoppage of support for external web extensions in CRX2 format, making CRX3 format required^[r 183] <p>Android version:</p> <ul style="list-style-type: none"> ▪ Offline Content on the Dino Page: easily browse suggested articles while offline ▪ Lite pages: get optimized pages that save data and load faster^[r 184] <p>iOS version:</p> <ul style="list-style-type: none"> ▪ Tap on the icons above the keyboard and easily access your saved passwords, addresses and credit card information ▪ Updated default search engines list ▪ View JavaScript console messages
74.0.3729	2019-04-23 (Linux, macOS, and Windows) 2019-04-24 (Android) 2019-04-29 (iOS)	Blink 74	7.4.288	<ul style="list-style-type: none"> ▪ "A number of fixes and improvements."^[r 185] ▪ Creating private class fields in JavaScript is now much cleaner ▪ You can detect when the user has requested a reduced motion experience ▪ CSS transition events ▪ Adds new feature policy APIs to check if features are enabled or not^[r 186] ▪ Removal of PaymentAddress's languageCode property ▪ No popups during page unload ▪ Deprecation of drive-by downloads in sandboxed iframes^[r 187] <p>Android version:</p> <ul style="list-style-type: none"> ▪ Translate any web page instantly by selecting Translate from the menu^[r 188] <p>iOS version:</p> <ul style="list-style-type: none"> ▪ You can now paste pictures from your clipboard into the omnibox to search ▪ A fix has been included for translation not being offered on some English pages.
75.0.3770	2019-06-04 (Linux, macOS, and Windows) 2019-06-04 (iOS) 2019-06-04 (Android)	Blink 75	7.5.288	<ul style="list-style-type: none"> ▪ "A number of fixes and improvements."^[r 189] ▪ A new way to reduce latency on canvas elements

				<ul style="list-style-type: none"> ▪ Web apps can now share files to other installed apps using the system level share sheet ▪ Numeric literals now allow underscores as separators to make them more readable^[r 190] ▪ Removal of overflow: -webkit-paged-x and overflow: -webkit-paged-y^[r 191] <p>Android version:</p> <ul style="list-style-type: none"> ▪ Generate strong and unique passwords with Chrome's built-in password manager ▪ Quickly look up your passwords by tapping any password field and using the new keyboard option^[r 192] <p>iOS version:</p> <ul style="list-style-type: none"> ▪ Links that are clicked in Incognito mode will no longer open native applications ▪ Custom search engine settings now show the search engine's icon
76.0.3809	2019-07-30 (Linux, macOS, and Windows) 2019-07-30 (iOS) 2019-07-30 (Android)	Blink 76	7.6.303	<ul style="list-style-type: none"> ▪ "A number of fixes and improvements."^[r 193] ▪ Support for prefers-color-scheme media query, bringing dark mode to websites ▪ An install button in the omnibox to make installation of Progressive Web Apps on desktop easier ▪ Addition of Promise.allSettled() ▪ Reading blobs is easier ▪ Image support in the async clipboard API^[r 194] ▪ Removal of feature policy: lazyload ▪ Removal of outputs from MediaStreamAudioDestinationNode ▪ Removal of insecure usage of DeviceMotionEvent ▪ Removal of insecure usage of DeviceOrientationEvent^[r 195] <p>Android version:</p> <ul style="list-style-type: none"> ▪ "Stability and performance improvements."^[r 196] ▪ Preventing the mini-infobar from appearing on Progressive Web Apps on mobile ▪ More frequent updates of WebAPKs <p>iOS version:</p> <ul style="list-style-type: none"> ▪ Find In Page now works on iFrames, including AMP (Accelerated Mobile Pages) ▪ A suggestion for a strong and unique password on a keyboard when signing up to a new site

				<ul style="list-style-type: none"> ▪ Control of all Sync and Google services settings in one place ▪ Some users will see a new design for the way Chrome offers to save passwords
77.0.3865	2019-09-10 (Linux, macOS, and Windows) 2019-09-10 (iOS) 2019-09-10 (Android)	Blink 77	7.7.299	<ul style="list-style-type: none"> ▪ A number of fixes and improvements."^[r 197] ▪ Forms get some new capabilities <ul style="list-style-type: none"> ▪ The formdata event ▪ Form-associated custom elements ▪ Native lazy loading ▪ Chrome DevSummit 2019 is happening November 11–12, 2019 ▪ Introduction of Content Picker API ▪ New measurement units in the intl.NumberFormat API^[r 198] ▪ Removal of card issuer networks as payment method names ▪ Deprecation of Web MIDI use on insecure origins ▪ Deprecation of WebVR 1.1 API^[r 199] <p>Android version:</p> <ul style="list-style-type: none"> ▪ "Stability and performance improvements."^[r 200] ▪ A better way to track the performance of your site with Largest Contentful Paint <p>iOS version:</p> <ul style="list-style-type: none"> ▪ A new language settings page ▪ You can clear your browsing data from a specific range of time ▪ Omnibox suggestions are easier to read with added thumbnails and icons ▪ Easily close tabs that are maliciously showing JavaScript dialogues
78.0.3904	2019-10-22 (iOS) 2019-10-22 (Android) 2019-10-22 (Linux, macOS, and Windows)	Blink 78	7.8.279	<ul style="list-style-type: none"> ▪ "A number of fixes and improvements."^[r 201] ▪ CSS Properties and Values API ▪ Fresher service workers ▪ New origin trials ▪ Native File System ▪ SMS Receiver^[r 202] ▪ Removal of XSS Auditor^[r 203] <p>Android version:</p> <ul style="list-style-type: none"> ▪ "Stability and performance improvements."^[r 204] ▪ Dark theme for Chrome menus, settings, and surfaces <p>iOS version:</p>

				<ul style="list-style-type: none"> ▪ The ability to switch Chrome to dark mode if your device has been upgraded to iOS 13 ▪ Bookmarks, History, Recent Tabs, and Reading List are now presented as cards on iOS 13 ▪ The ability to add a new credit card directly in Chrome from the settings page ▪ A fix for a navigation-related crash
79.0.3945	2019-12-10 (iOS) 2019-12-10 (Linux, macOS, and Windows) 2019-12-10 (Android)	Blink 79	7.9.317	<ul style="list-style-type: none"> ▪ "A number of fixes and improvements."^[r 205] ▪ The ability to create immersive experiences with the WebXR Device API ▪ The Wake Lock API is available as an origin trial ▪ The rendersubtree attribute is available as an origin trial ▪ Videos from the Chrome DevSummit are now online^[r 206] ▪ Changes -webkit-appearance keywords to work only with specific element types^[r 207] <p>Android version:</p> <ul style="list-style-type: none"> ▪ "Stability and performance improvements." ▪ Password safety ▪ Support for virtual reality ▪ The ability to reorder bookmarks^[r 208] ▪ Installed Progressive Web Apps on Android now support maskable icons <p>iOS version:</p> <ul style="list-style-type: none"> ▪ Chrome will check if username and password are leaked if signed in to Chrome and then in to a website ▪ Starting a search in the address bar will initiate top suggestions even if network connection is slow
80.0.3987	2020-02-04 (Linux, macOS, and Windows) 2020-02-04 (Android) 2020-02-05 (iOS)	Blink 80	8.0.426	<ul style="list-style-type: none"> ▪ "A number of fixes and improvements."^[r 209] ▪ Modules in workers ▪ Optional chaining in JavaScript ▪ New origin trials ▪ Origin trial graduations ▪ Using #::~text=something will have Chrome scroll to and highlight the first instance of that text fragment ▪ Setting display: minimal-ui on a Desktop PWA adds a back and reload button to the title bar of the installed PWA ▪ Support for using SVG images as favicons^[r 210]

				<ul style="list-style-type: none"> Disallowed Synchronous XMLHttpRequest() in Page Dismissal Deprecation of FTP support Removal of allowing popups during page reload Non-origin-clean ImageBitmap serialization and transferring removed Protocol handling now requires a secure context Web Components v0 removed Removal of -webkit-appearance:button for arbitrary elements^[r 211] <p>Android version:</p> <ul style="list-style-type: none"> "Stability and performance improvements." Quieter notifications SameSite cookies are enabled by default Insecure audio and video on secure pages are automatically upgraded to secure connections^[r 212] <p>iOS version:</p> <ul style="list-style-type: none"> Starting a search in the address bar brings up top suggestions served locally even in Incognito Mode
81.0.4044	2020-02-05 (iOS)	Blink 81	8.1	Current Beta channel
82.0	2020-02-04 (iOS)	Blink 82	8.2	Current Dev channel
82.0	2020-02-01 (Windows and Android) 2020-02-04 (macOS)	Blink 82	8.2	Current Canary channel
Major version	Release date	Layout engine ^[r 1]	V8 engine ^[r 2]	Significant changes

Notes

- Release date is the date of first release. All channels have subsequent updates which are not shown. For release update history see [Google Chrome Releases \(https://chromereleases.googleblog.com/\)](https://chromereleases.googleblog.com/).
- Old development and beta builds are not shown after they become stable releases.
- The first stable release in macOS and Linux was Google Chrome 5.0.375. The first stable release on Android was Chrome 18.0.1025123 (Chrome for Android).^{[r 213][r 214][r 215]}
- Versions 6–32 had [Google Chrome Frame](#) counterparts, until its development was discontinued.^[r 216]
- As of Chrome 26, Linux installations of the browser may be updated only on systems that support GCC v4.6 and GTK v2.24 or later. Thus systems such as Ubuntu Lucid 10.04 LTS, Debian 6's 2.20, and RHEL 6's 2.18 are now among those marked as deprecated.^[r 217]
- As of Chrome 59, Linux Chrome defaults to GTK+3. Older versions of Linux, e.g. RHEL 6 or CentOS 6, with only GTK+2 support, are not able to run this version of Chrome. Red Hat's GTK+2 build of Firefox ESR is probably the last remaining regularly updated browser on RHEL 6/CentOS 6.^[6]
- Standalone builds can be found on Google's [Chromium Browser Continuous build server \(http://commondatastorage.googleapis.com/chromium-browser-continuous/index.html\)](http://commondatastorage.googleapis.com/chromium-browser-continuous/index.html).

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