Web Browsers: Which one should I use

A look at the top Browsers:

Keep in mind Browsers for PC provided different expierencies than Smart Phones

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What is the difference between the internet, browsers, search engines and websites?

- **A web browser takes you anywhere on the internet, letting you see text, images and video from anywhere in the world.**

  - The browser is the car that gets you everywhere. You type a destination into the address bar and zoooom: your browser takes you anywhere on the internet.

- A **web browser** (commonly referred to as a **browser**) is application software for accessing the World Wide Web.

- A web browser is not the same thing as a search engine, though the two are often confused.

- Web browsers are used on a range of devices, including desktops, laptops, tablets, and smartphones.

  - In 2020, an estimated 4.9 billion people used a browser.

  - The most used browser is Google Chrome, with a 65% global market share on all devices, followed by Safari with 18%.

What is Search Engine?

- Search engines like **Yahoo, Google, Bing and DuckDuckGo etc.** are the compass and the map. You tell a search engine an idea of where you want to go by typing your search terms, and it gives you some possible destinations.

- A search engine is a software system that is designed to carry out web searches.

    - They search the World Wide Web in a systematic way for particular information specified in a textual web search query.

    - The search results are generally presented in a line of results, often referred to as search engine **results pages.**

Web Sites and the Web!

- Effectively, you drive along the internet highway, stopping at whatever towns, stores and roadside attractions catch your fancy, aka websites.

- Websites are the specific destinations you visit throughout the internet.

  - This is the content — the webpages, websites, documents, social media, news, videos, images and so on that you view and experience via the internet.

    - The "web" (which is short for "world wide web", hence "www") is the collection of all these websites.

According to PC Mag: Top 10 Browsers of 2021 (PC)

- #1) Firefox
- #2) Google Chrome
- #3) Microsoft Edge
- #4) Apple Safari
- #5) Opera
- #6) Brave
- #7) Vivaldi
- #8) DuckDuckGo
- #9) Chromium
- #10) Epic

Fire Fox

Fire Fox (Mozilla)

Best for everyone. It is known to be a secure web browser and one can say it is the best browser for pc.

Mozilla Firefox or simply **Firefox**, 3rd place in the global market share of browsers.
* More _secure_ and _faster_ than the most widely used PC Browser i.e. Chrome.
* _Recently added a new feature that saves you from getting tracked while you work online._
* Protects you from Supercookies, which stay hidden in your browser and keep tracking your information – this is huge merit and takes Firefox to first place in the list of top 10 browsers.

Features:
* Pop a video out of the browser window so that you can stream and multitask.
* Expanded dark mode.
* An extra layer of protection.
* Search everything with a unified search bar.
* Customize the menu or toolbar.
* Browse fast and free.
* New tab page having great content at your fingertips.

Fire Fox

Fire Fox (Mozilla)

- A **clean interface** with everything you'd expect from an elite browser.
- **Add-ons** ranging from password managers and adblockers to weather forecasters and maps.
- Plenty of graphical themes to **customize the look** of your installation.
- **Synchronized accounts**, so your bookmarks and passwords can follow you wherever you go.
- **Private browsing** leaves no trace of your activity, at least locally.
- Instantly send tabs or bookmarks between devices, making it **easy to share valuable links**.
- **Memory management tools** generally make it more efficient than Chrome.

- **Disadvantages:**
- The main disadvantage is compatibility.
- Some websites do not show properly in this **browser** and require the user to view them with IE
- Takes a lot of memory to run.

- **Verdict:** Taking into consideration all the positive aspects of Firefox like privacy, security & speed – Mozilla Firefox is undoubtedly the best web browser.

Google Chrome

Google Chrome (Google)

Best for people who want trouble-free, easy, and fast Internet surfing.

Google Chrome is a cross-platform web browser developed by Google.
- It is a fast and easy-to-use web browser.
- Chrome lets you browse and navigate the net while using less data just by *turning on Chrome's data saver*.

Features:
- Fast browsing
- Data saver
- Let's you download to view offline.
- Keeps your phone safe by showing warnings when you attempt to navigate through a dangerous site.
- Voice search option
- Translate text on your screen.
- Smart personalized recommendations.
- Privacy
- Sync across devices

Google Chrome

Google Chrome (Google

Disadvantages:

- Google is known for tracking everything you do.

- Google can track and store your location history, web and app activity, shopping habits and more. This invasion of privacy extends into Google's Chrome browser.

- Think you're safe in Incognito Mode? Google can still collect and sell your data.

- In June of 2021Google announced that it would ban cross-site cookie tracking, it implemented its own tracker called the Federated Learning of Cohorts, or FLoC. This software runs in your browser's background and groups you with people who it thinks share your interests. This opened up other security holes like Zero Day.

- This is why Forbes issued the following publication: Latest Google Chrome Privacy Warning Gives You Another Reason To Switch

Google Chrome

Google Chrome (Google)

- [Google](#) might collect far more personal data about its users than you might even realize.

- The company records every search you perform and [every YouTube video you watch](#).

- Whether you have an [iPhone](#) or an Android, [Google Maps logs everywhere you go](#), the route you use to get there and how long you stay -- [even if you never open the app](#).

- When you look closer at everything Google knows about you, the results can be eye-opening, and maybe even a little unsettling. Thankfully, there's something you can do about it.

- **Verdict:** Easy-to-use web browser and is one of the fastest web browsers – the most used web browser in the world.

  - However – Privacy and security issues abound

Microsoft Edge

Micorsoft Edge (Microsoft)

- **Best for** people who like to buy things online.
- Provides you a list of _coupons_ so that you can easily apply them to your order and also lets you compare the prices of a product across different websites.
- After years of fumbling the ball with Internet Explorer, and a rather inauspicious start for itself, Microsoft finally has a winning formula on its hands with Microsoft Edge.
- Microsoft Edge holds 4th place in the global market of PC browsers.

- **Features:**
  - Customize with your favorite extensions.
  - Available across devices (PC, MAC, iPhone and Android)
  - Feel always connected through the feature of sync.
  - Stay private online.

Microsoft Edge

Micorsoft Edge (Microsoft)

Features: (continued)

- Browse safely
- Tracking prevention (Default settings enable most tracking prevention)
- Allows you to view, edit and share PDFs directly from the browser.
- Save money with price comparison.
- Find deals with coupons.
- Let's you stay organized.

- **Verdict:** Microsoft Edge is the best web browser for shopaholics.

Safari

Safari (Apple)

- **Best for** people with privacy and security concerns and those who want the fastest browser.

- Apple Safari – built for Apple product.
- Fastest browser in the world due to its powerful Nitro engine, with features like no other.
- Provides best-in-class browsing with *powerful privacy protection and power efficiency*.

- **Features:**
  - Safari Reader allows you to pull out important content from a networking site without having to filter through ads and distractions.
  - HTML 5 Support
  - The smart address field gives you the desired suggestions based on your search history.
  - Safari Nitro Engine makes it the fastest browser in the world.
  - Safari Extensions
  - Powerful privacy protections.
  - Customizable start page.
  - Less power-consuming.

Safari

Safari (Apple)

- **Verdict:** Safari offers its user a number of features like no other browser.
- It has proved to be the most power-efficient and fastest browser.
- Making it one of the best web browsers.

- It has a bad rep due to its 'not so easy to use features and the significant amount of money that one has to pay for having access to it..
- Only works on Apple Products (masOS, iPADos, ios)

Opera

Opera (Beijing Kunlun Tech Co., Ltd)

- **Best for** those who use social media websites a lot.
- Opera has been listed as the tried and tested alternative to Chrome.
- Opera has originated features that were later adopted by other web browsers including Speed dial, Pop-up blocking, re-opening recently closed pages, private browsing, and tabbed browsing.

- **Features:**
    - Speed dial
    - Pop up blocking
    - Sync data
    - Opera Flow used to send files between our devices instantly.
    - Re-opening recently closed pages.
    - Private browsing
    - Built-in screenshot tool called Snapshot.
    - Image mark-up tool
    - Built-in ad blockers.
    - Tracking blockers

Opera

Opera (Beijing Kunlun Tech Co., Ltd)

Disadvantages of Opera browser:
- While Opera has **lacked of popularity makes it incredibly secure**.

- The developers of websites frequently do not bother to check whether their sites are compatible with Opera.
- You can find more sites that are incompatible with it than with any other browser.

Verdict: This _ad-free browser_ is a treat for people who switch between social media applications**.** Opera can be considered as the best browser for PC – for the shopaholics.

Brave

Brave (Brave Software)

- **Best for** those who are interested in fast and secure browsing while earning at the same time.
- Browse 3 times faster than chrome. (Benchmark tests)
- Brave is a free web browser that blocks ads and website trackers.
- It works on Windows, Mac OS, Linux, Android, and iOS.
- Allows websites and content writers a way to earn micropayments in the form of BATs (Basic Attention Tokens), which is an open-source.
- Decentralized ad exchange platform, based on [Etherium](#).

Features
- Basic Attention Token
- Brave Rewards
- Tor (anonymity network): users can switch to Tor-enabled browsing by clicking on the hamburger menu on the top right corner of the browser.
- Native integration with peer-to-peer networking protocol.
- Fast speed
- 35% less battery usage.
- Secure browsing
- Earn tokens for browsing.

Brave

Brave (Brave Software)

Disadvantages of Brave browser:

Probably the biggest downside to Brave is its current **lack of extensions, add-ons, and plug-ins**. While browsers like Firefox, Chrome, Opera, etc. seem to have extensions for almost everything under the sun, Brave's library is basically limited to password managers, like Dashlane and LastPass, and a handful of other extensions.

Verdict: A February 2020 research report published by the School of Computer Science and Statistics at Trinity College Dublin tested a number of browsers and found Brave to be the most private of them.

In the first most private group lies Brave, in the second place are Chrome, Firefox, and Safari, and in the third place (least private group) lies Edge and Yandex.

Moreover, Brave allows you to earn rewards in the form of BATs and have fast and safe browsing. Such unique features are enough to make it one of the top 10 browsers.

Vivaldi

Vivaldi **(**Vivaldi Technologies**)**

- **Best for** people who work on a number of tabs at the same time.

- Vivaldi is a PC Browser with some unique features and gives a fast and secure browsing experience to its users by <u>blocking the ads and trackers</u>.
- Available for Android, Mac, Linux, and Windows. It supports 53 languages.
- Freeware, cross-platform web browser

- **Features:**
    - Groups tabs in a stack.
    - A built-in ad and tracker blocker.
    - Custom keyboard shortcuts for everything.
    - Add any website as a web panel.
    - Multiple colored themes to pick from.
    - Notes
    - Screen capture
    - View multiple pages at once, without switching tabs.
    - Most informative browsing history.

Vivaldi

Vivaldi (Vivaldi Technologies**)**

Disadvantages of Vivaldi browser:

- Might Not Appeal to Most Web Browser Users
- Not the Fastest Chromium Browser in the Market
- Tendency to Consume Too many System Resources
- However, a considerable drawback of Vivaldi is that <u>it is not for everyone</u>. As a one-stop application loaded with numerous features and tools, some users might find it too much, especially those individuals who prefer using a simple browser primarily meant for opening and browsing through websites and web pages.

- **Verdict:** Vivaldi has a positive aspect that it is light on RAM consumption when compared to other browsers. Thus, it can prove to be the best browser that falls short of RAM.

DuckDuckGo

DuckDuckGo **(DuckDuckGo was founded by Gabriel Weinberg)**

Best for those who do not want to compromise with privacy.

- DuckDuckGo web browser, ***claims that they never collect or store the user's personal information ever***.
- It has some very cool features to attract users and has an outstanding rating of 4.4/5.

- **Features:**
    - Calculations
    - Show flight information.
    - Currency conversion
    - Let's you search for an ID on social media with easy steps, without having to open that particular website.
    - App store search, alternatives to apps.
    - Shorten and expand links.
    - Quick stopwatch

DuckDuckGo

DuckDuckGo **(DuckDuckGo was founded by Gabriel Weinberg)**

- **Features: (Continues)**
  - Change case and check the number of characters.
  - Checks weather websites
  - Calendar
  - Loan calculator
  - Chinese Zodiac Queries
  - Anagram solver
  - Blood type compatibility

- **Disadvantages:**
  - DuckDuckGo DuckDuckGo still relies on advertising to make money, so you'll see advertisements in your searches.
    - The distinction is that the **advertisements aren't tailored to each particular user**.
    - DuckDuckGo does not include any anti-virus, anti-malware, anti-ransomware, or anti-malware protection.

DuckDuckGo

DuckDuckGo **(DuckDuckGo was founded by Gabriel Weinberg)**

Verdict: DuckDuckGo provides some unique and cool features to its users.
        Making it one of the top 10 browsers
        Some users claim that sometimes it shows wrong browsing history

Chromium

Chromium (Free open-source Maintained by Google)

Best for people who look for an alternative to Chrome. It is light-weight and gives fast browsing experience.

- Chromium is an open-source Google-sponsored browser project that aims to provide a faster, safer, and more stable way for all users to experience the web.

- This web browser has fewer features than Google Chrome due to the reason that it is being built to be light-weight (cognitively and physically) and fast.

Features:
- Auto-update capability
- API keys for some google services.
- Sync between devices.
- Does not collect any of your information and deliver it to Google.
- Features that are later updated on Chrome can be experienced earlier on Chromium.

Chromium

Chromium (Free open-source Mainained by Google)

- **Disadvantages:**
  - Chromium browser eats a lot of RAM such as Chrome,
  - This makes a problem for machines with less RAM.
  - Does not support certain common media formats and some codecs such as AAC, H.264, MP3.

- **Verdict:** As a web browser, Chromium is less stable than Chrome i.e. it crashes more often.
  - Can exhibit other types of undesirable behavior at times. But it is the best browser to have a simple, and easy-to-go browsing experience.

Epic

Epic (Hidden Reflex - 2019)

Best for people who want utmost privacy from hidden information trackers.

- Epic is a free browser where you can enjoy anonymously with private surfing.
- Blocks unauthorized websites from tracking your data.
- Proves to be one of the best browsers for people having privacy and security-related concerns.

Features:
- Acts as a blocker for privacy leaks.
- Comes with VPN servers.
- Constantly works in the incognito mode.
- Clip content
- Maintain backups of certain data.

Epic

Epic (Hidden Reflex - 2019)

Disadvantages:
- Epic can be difficult to navigate as a beginner because there are so many features. It is best to learn the basics before trying to use the advanced tools.

Verdict: Users have been complaining that some websites don't work well with the Epic browser, and this proves to be a huge setback, but it is a great platform for people who are concerned more about privacy.

Summary

- What is the Best Browser for you?

  - Security (who and what is being tracked and sold)

  - Speed (how quick can they return searches)

  - Accuracy (How good are the search results)

  - Reliability (Does the app crash or hang-up)

  - Ease of use

  - Most Popular

  - Default to the Operation system

  - Used across platforms

Questions   ???

- ## If I don't know the answer, I'd be more than happy to make one or more up!!!!!!