

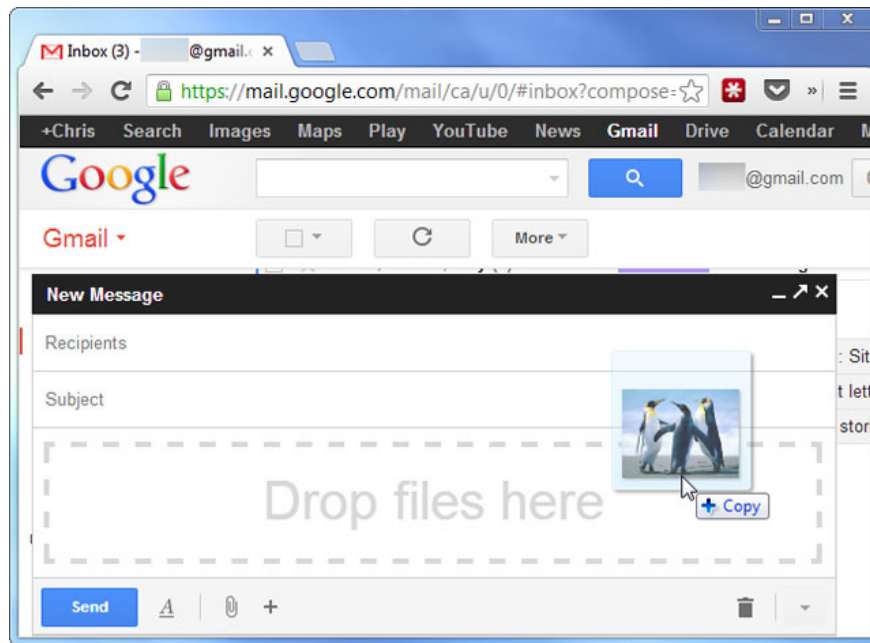
7 unexpected capabilities of the web browser

In the past years, the web browser has made many outstanding steps with attractive features, giving users many interesting experiences. The article focuses on new web technologies that are being applied extensively on websites today.

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1. Drag and drop to upload

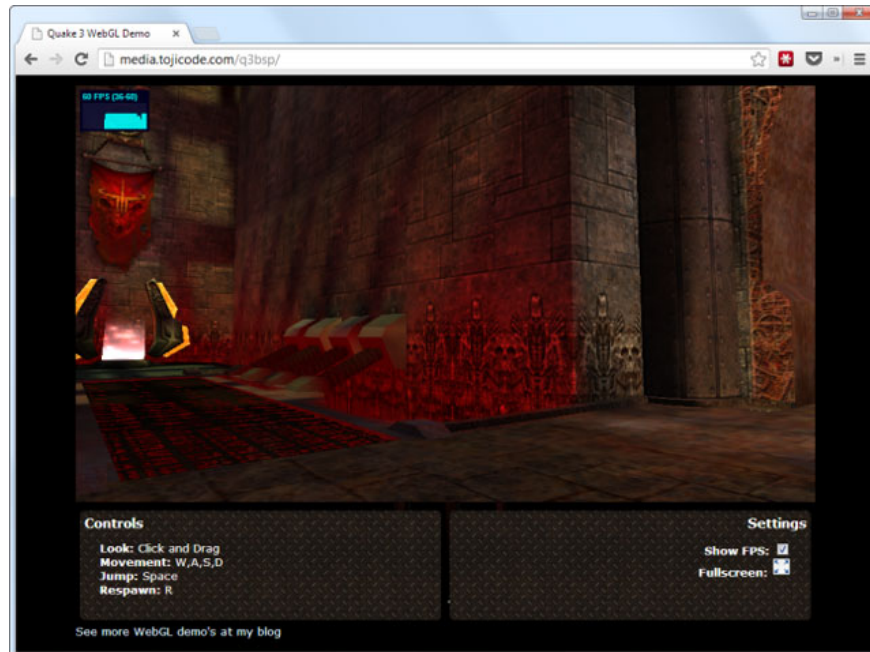
Many websites allow you to upload files just by dragging and dropping into the browser window - A significant change compared **to the Browse button** to browse to the file in the traditional way. Whether you want to attach a file to an email in Gmail or want to share the image on *imgur.com* , you can also drag and drop the file directly onto the interface of these websites.



2. Handling 3D graphics

Browsers like **Chrome** and **Firefox** now support **WebGL** , allowing websites to handle 3D graphics without relying on other plug-ins. WebGL can be used for games and 3D models. The most popular website using

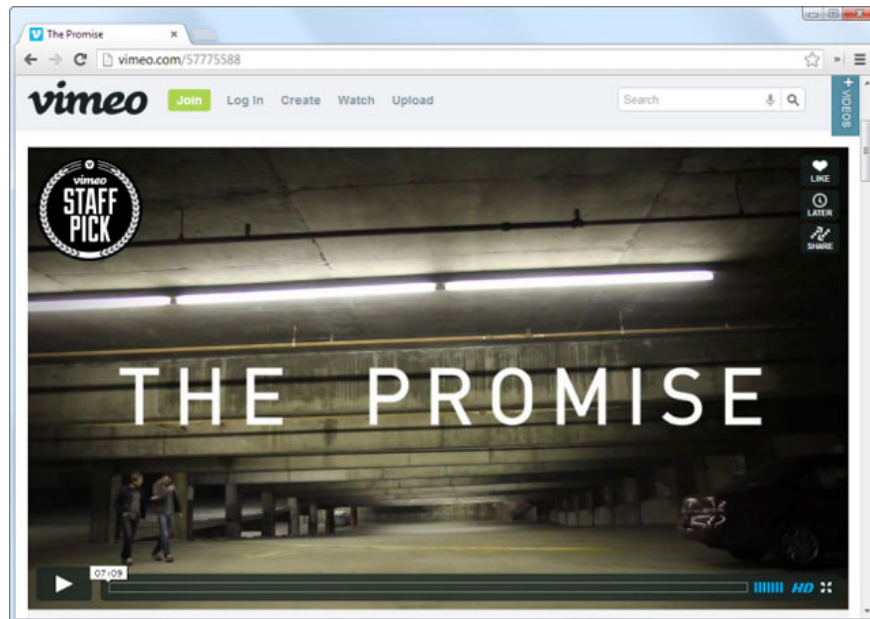
WebGL is probably **Google Maps** . On Google Maps in Chrome, you can enable MapsGL, allowing Google Maps to process maps with OpenGL, resulting in smoother images. In addition, if you use Street View, you will see animation when zooming in and out of the map.



3. Play music and movies without Flash

HTML5 video has attracted the attention of the programming team. Now we can play videos in H.264 (MP4) format, WebM and Ogg Theora formats without installing Flash. Many websites share videos, including YouTube, and play videos based on HTML5.

The HTML5 playback application might look exactly like a Flash application, so you might not realize that a website is using it, unless you watch videos on mobile devices and see that the quality has improved. outstanding.



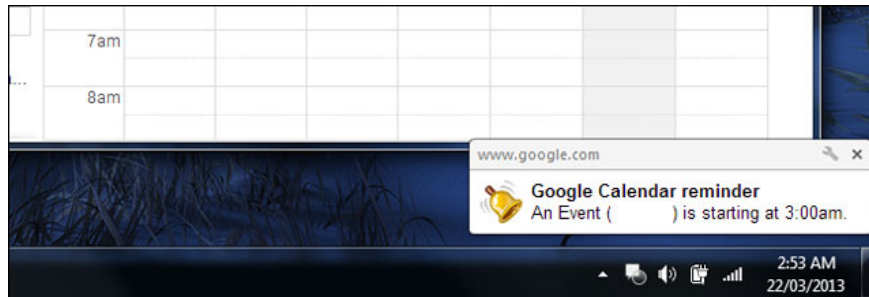
4. Run the web application offline

The browser can now allow web applications to work offline by providing them with local databases for access and processing. Many of Google's offline web applications (including **Gmail** , **Docs** and **Calendar**) are only compatible with Chrome, but **Amazon** 's **Kindle Cloud Reader** can run on other browsers like Firefox. Kindle Cloud Reader allows users to download eBooks for offline reading right in the browser, even when you are not connected to the Internet.



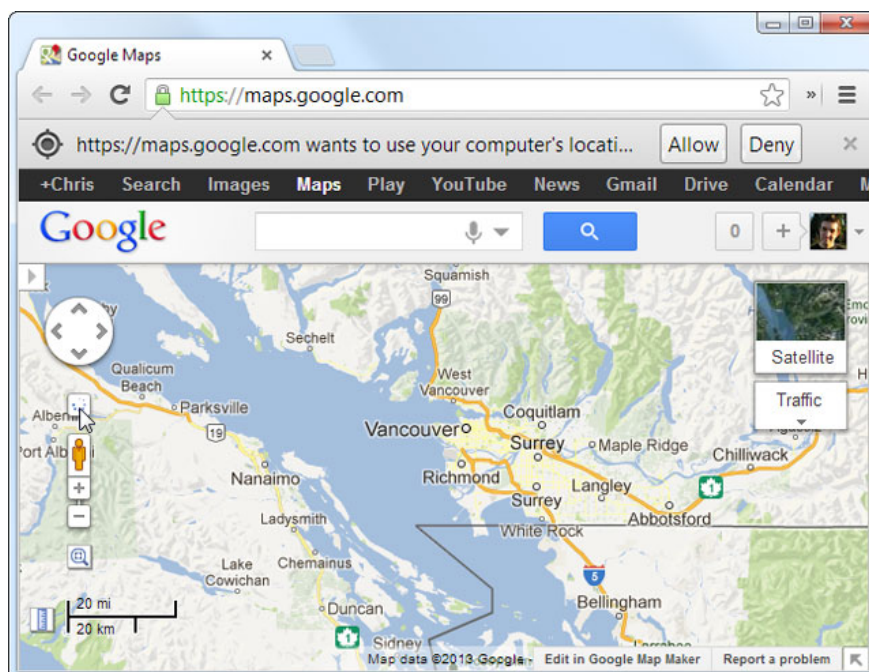
5. Create pop-up notifications

The browser may allow websites to display notifications on the screen. For example, Google Calendar displays pop-up notifications when you create reminders for upcoming events. Websites that support chat and email can also display pop-up notifications every time you have new messages.



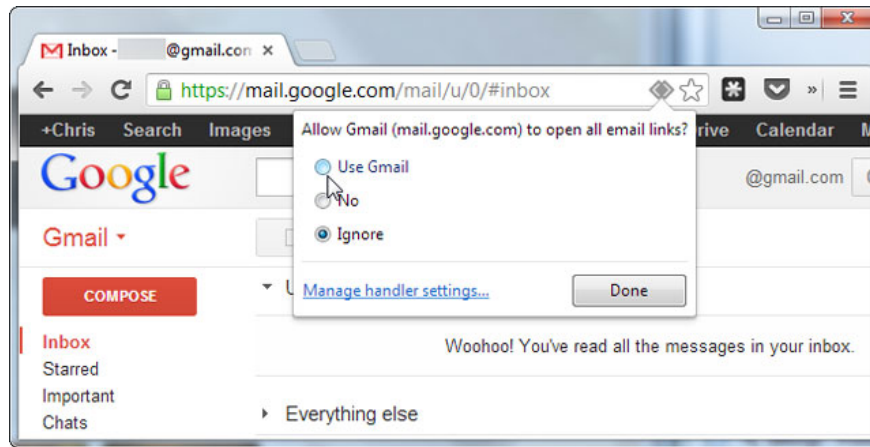
6. Positioning

If you are using a tablet or a device with a dedicated GPS chip, the browser will use this GPS hardware to determine your location. On devices without GPS chips, ISP locations can be replaced to approximate your current location.



7. Use the web application as the default application

The browser can be set to make web applications the default application. So you can use Gmail in your browser to send email when clicking on a **mailto** link : anywhere on your computer, even outside the browser.



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