

How To Enable WebGL In Chrome On Ubuntu?

chrome://gpu/

Graphics Feature Status

- Canvas: **Software only, hardware acceleration unavailable**
- Compositing: **Software only, hardware acceleration unavailable**
- 3D CSS: **Unavailable. Hardware acceleration unavailable**
- CSS Animation: **Software only, hardware acceleration unavailable**
- WebGL: **Unavailable. Hardware acceleration unavailable**
- WebGL multisampling: **Unavailable. Hardware acceleration unavailable**
- Flash 3D: **Unavailable. Hardware acceleration unavailable**
- Flash Stage3D: **Unavailable. Hardware acceleration unavailable**
- Flash Stage3D Baseline profile: **Unavailable. Hardware acceleration unavailable**
- Texture Sharing: **Unavailable. Hardware acceleration unavailable**
- Video Decode: **Software only, hardware acceleration unavailable**
- Video: **Software only, hardware acceleration unavailable**
- Panel Fitting: **Unavailable. Hardware acceleration disabled.**
- Rasterization: **Software only. Hardware acceleration disabled.**

And <http://webglreport.com/>

WebGL Report

This browser does not support WebGL.

Check out [Get WebGL](#), or try installing the latest version of [Chrome](#), or [Firefox](#).

Platform:	Linux x86_64
Browser User Agent:	Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/27.0.1453.93 Safari/537.36

```
google-chrome --version  
Google Chrome 27.0.1453.93
```

<http://www.chromeexperiments.com/webgl>

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Whoopsie daisy!

Your browser doesn't seem to support HTML5 and WebGL. The best thing to do is upgrade to a modern browser that supports all the awesome things the web has to offer.

[Upgrade my browser!](#)[Not now](#)

How To Enable WebGL In Chrome On Ubuntu ?

google-chrome

webgl

edited Jan 10 '14 at 14:42



Alvar

11.2k

26

77

123

asked May 24 '13 at 5:27



Qasim

17.1k

17

58

83

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WebGL in Google Chrome.

Step 1: Open Google Chrome

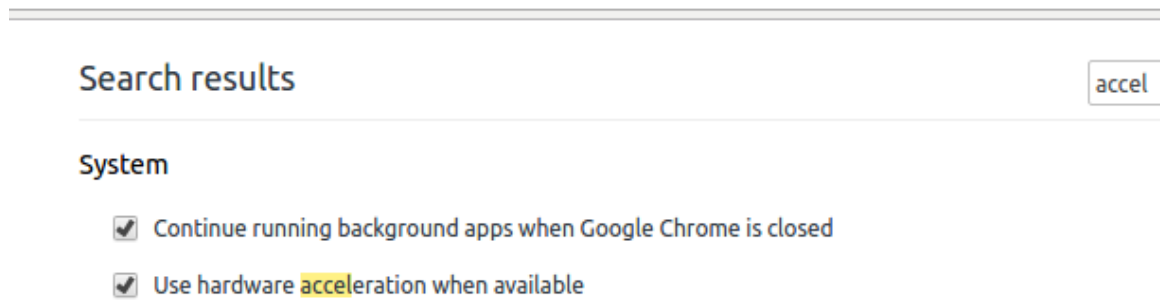
Step 2: Type `chrome://flags` in the address bar

Step 3: Press `Ctrl + f` and type "Rendering list", "Override software rendering list" should come up, Now click on Enable and restart the browser.

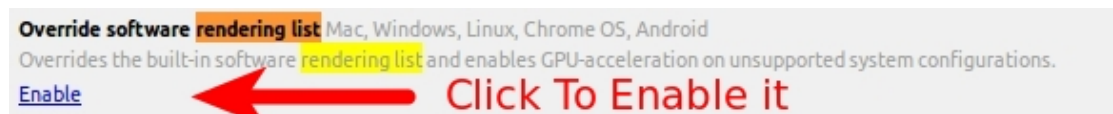
Step 4: Completely kill Chrome: Type `killall chrome` into a console.

Step 5: Go to `chrome://settings` and enable Use hardware acceleration when available .
By default it is off since version 43.

<chrome://settings/search#accel>



Step 6: Start Chrome

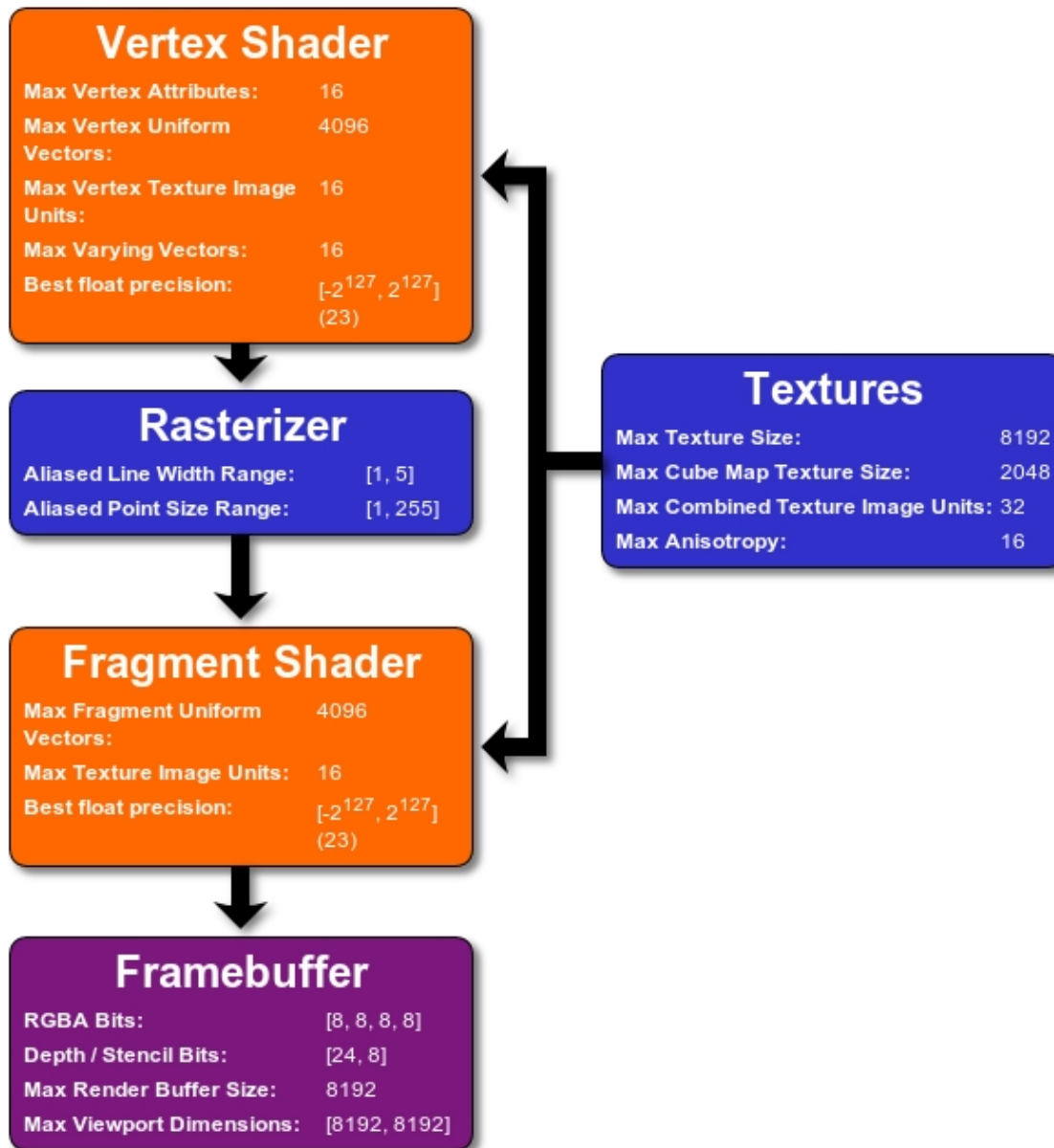


Now check `chrome://gpu/`

Graphics Feature Status

- Canvas: **Hardware accelerated**
- Compositing: **Hardware accelerated**
- 3D CSS: **Hardware accelerated**
- CSS Animation: **Accelerated**
- WebGL: **Hardware accelerated**
- WebGL multisampling: **Hardware accelerated**
- Flash 3D: **Hardware accelerated**
- Flash Stage3D: **Hardware accelerated**
- Flash Stage3D Baseline profile: **Hardware accelerated**
- Texture Sharing: **Hardware accelerated**
- Video Decode: **Hardware accelerated**
- Video: **Hardware accelerated**
- Panel Fitting: **Unavailable. Hardware acceleration disabled.**
- Rasterization: **Software only. Hardware acceleration disabled.**

<http://webglreport.com/>



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- 3 Now I have YouTube in HTML5 players with nice performance! – [Vitaly Zdanevich](#) Nov 9 '13 at 19:01
-
- 15 Why is this not enabled by default??? – [Konstantin Schubert](#) Dec 20 '13 at 4:00
-
- @Konstantin Thats a good question, I will do some research on it. – [Qasim](#) Dec 20 '13 at 7:51
-
- 4 Hint: in Ubuntu for sure (windows also most likely) you will need to be sure to kill the background threads (chrome) as well before the changes will take effect. – [Lance Caraccioli](#) Jan 21 '14 at 14:15
-
- 1 @Kostanos no i do not know abot that...thats the easiest way ... – [Qasim](#) Apr 30 '14 at 4:48
-

If you still don't get any results, check if hardware-acceleration is enabled in Chromium settings, Google tends to disable this setting by default since version 43. In this case that was the problem for me after I updated GPU drivers, overrode the GPU blacklist, and so and so.

edited Jul 11 '15 at 12:22



[Grammageek](#)

1,547 1 8 21

answered Jul 11 '15 at 10:57



[wallflips](#)

101 1 2

-
- 4 Same here. I thought I was seeing some terrible bug but didn't realize chrome://settings -> Show advanced settings... -> Use hardware acceleration when available somehow got disabled. I flipped it on, restarted the browser, and everything works. – [Stephen Niedzielski](#) Jul 12 '15 at 6:13
-
- Worked for me, thanks – [shturm](#) Oct 25 '16 at 17:49
-
- Disabling hardware-acceleration worked for me. – [Thomas Orlita](#) Jun 4 '17 at 11:33
-

using chromium Version 49.0.2623.108 on Ubuntu 14.04 (64-bit).

What we need to activate is `#ignore-gpu-blacklist`

It's the first line in `chrome://flags/`

Maybe too old your video driver or not installed properly.

I had same problem too, but this solution fixed my problem without overrides!

1. To add PPA for Ubuntu 14.04 / 13.10 / 13.04 / 12.10

Ubuntu 14.04 / 13.10 / 13.04 / 12.10 users, Run the following command in the terminal and type the password for the user when prompted. Others use the Ubuntu-X PPA.

```
sudo apt-add-repository ppa:xorg-edgers/ppa
```

2. To add PPA for Ubuntu 12.04 / 11.10 / 11.04 / 10.04

```
sudo apt-add-repository ppa:ubuntu-x-swat/x-updates
```

After adding the PPA, update your system repository.

3. To Update

```
sudo apt-get update
```

Now install the NVIDIA GeForce graphics driver 304.108 in your system, as you install other packages by using apt-get.

4. To Install

```
sudo apt-get install nvidia-current nvidia-settings
```

Above command will install the driver.

Source: <http://www.howopensource.com/2012/10/install-nvidia-geforce-driver-in-ubuntu-12-10-12-04-using-ppa/>

I's using this solution on my desktop for a week, but my Chrome sometimes eat all CPU (the "GPU process" task). - I have Ubuntu Trusty with "GeForce 8400 GS Rev. 2" - I can not found solution for this side effect, only I have a workaround: Turn on "Disable accelerated 2D canvas" option in chrome://flags/ ... Grrr – [andras.tim](#) Oct 30 '14 at 19:27



I had the issue that WebGL was reported as unavailable **after switching from the proprietary Nvidia to the nouveau drivers**, a change which does not seem to have been picked up in the chromium GPU config of my profile. The fix is running `chromium-browser -single-process` *once* to reset the GPU configuration.

answered Jul 6 '17 at 21:17



[kynan](#)

1,565 1 16 23