

# Screenshot Guidelines

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This document will explain how you can capture high-resolution screenshots for your books.

## Minimum hardware requirements

Inherently, screenshot resolution directly correlated to the display resolution. So, it's highly recommended that your display resolution be set to *at least* 1920×1080 (only possible if your display device, that is, screen or monitor supports this resolution).

## Methods to generate high quality screenshots

These methods can help you further enhance screenshot quality. While these methods can be used to create acceptable quality screenshots

### 1. If the screenshot is of a webpage to be taken from within a browser

**Hardware requirements:** Any device with a modern OS.

**Software requirements:** Mozilla Firefox (download: <https://www.mozilla.org/en-US/firefox/new/>)

#### Steps

1. Open the webpage in Firefox.
2. Press `Ctrl+Shift+K` to open the console.
3. In the console, type `:screenshot --dpr 2`. This will download a screenshot at twice the display resolution.

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You could substitute `2` with `n` to download a screenshot *n* times the display resolution, but going above `4` is not recommended as it will create unnecessarily large images

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In some pages that make heavy use of JavaScript, the generated screenshot might appear slightly different, with some elements missing. This is expected, and there's no way to fix this.

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## 2. If the screenshot is a general one, not of a webpage within a browser

**Hardware requirements:** A device with any semi-modern AMD or NVIDIA GPU/IGP

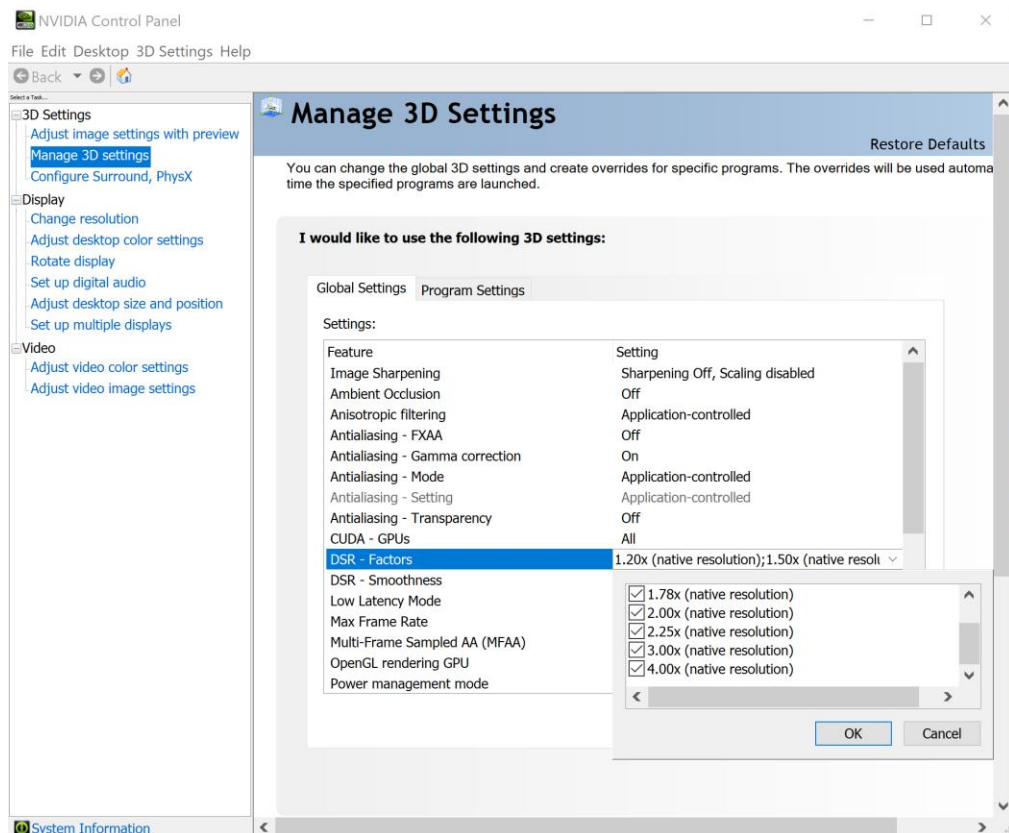
**Software requirements:** The driver and utility software for the GPU (NVIDIA Control Panel/Radeon Software)

### Steps

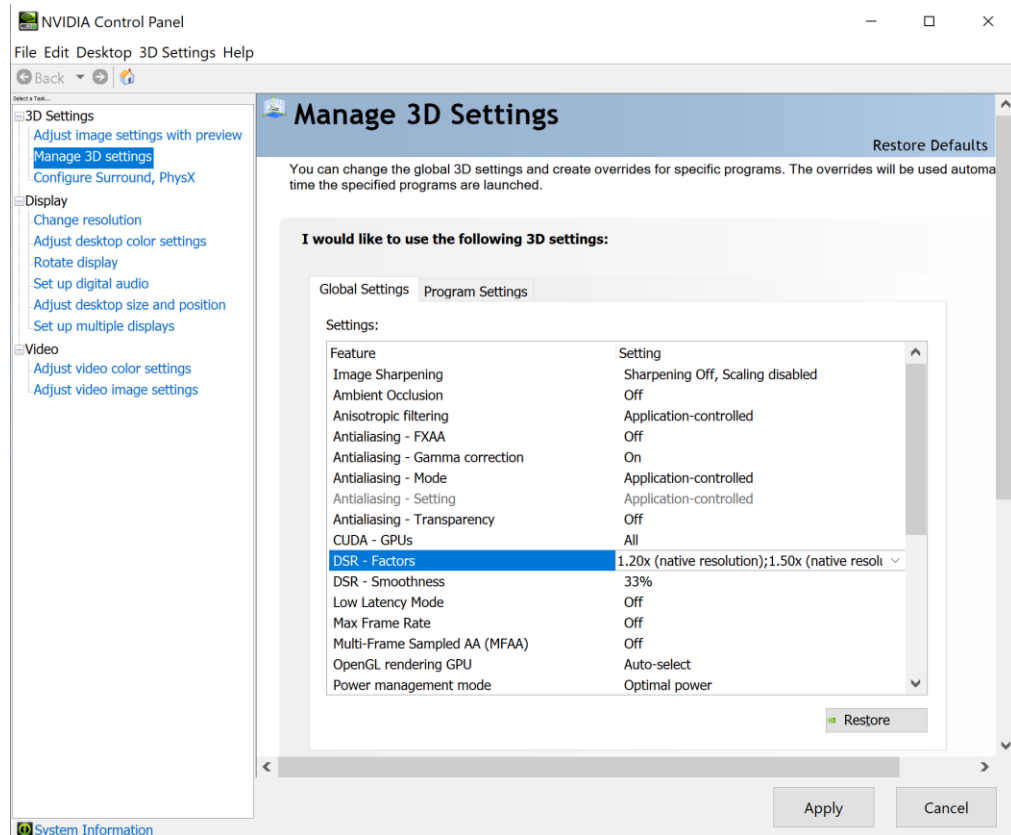
Most NVIDIA and AMD GPUs/IGPs these days support resolution upscaling, which can upscale your display resolution by up to 4 times the maximum resolution supported by your display device. NVIDIA calls its implementation **Dynamic Super Resolution (DSR)**, while AMD calls it **Virtual Super Resolution (VSR)**. Here's how you can use this:

#### NVIDIA GPU

1. Open NVIDIA Control Panel (installed with the driver).
2. In the **Manage 3D settings** page, select the **Global Settings** tab, and go to the **DSR - Factors** settings.
3. Check all the factors provided for it, and click **OK**.

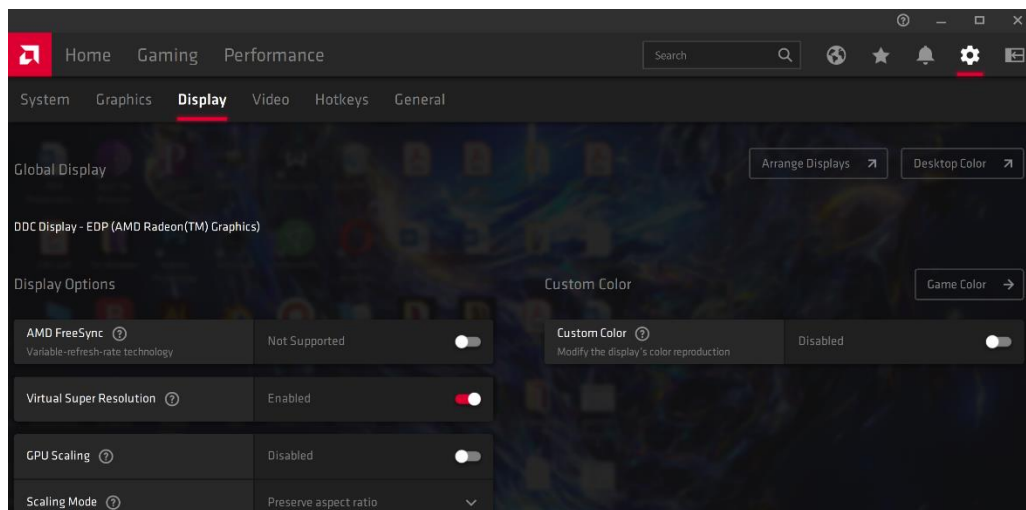


4. Click **Apply**.



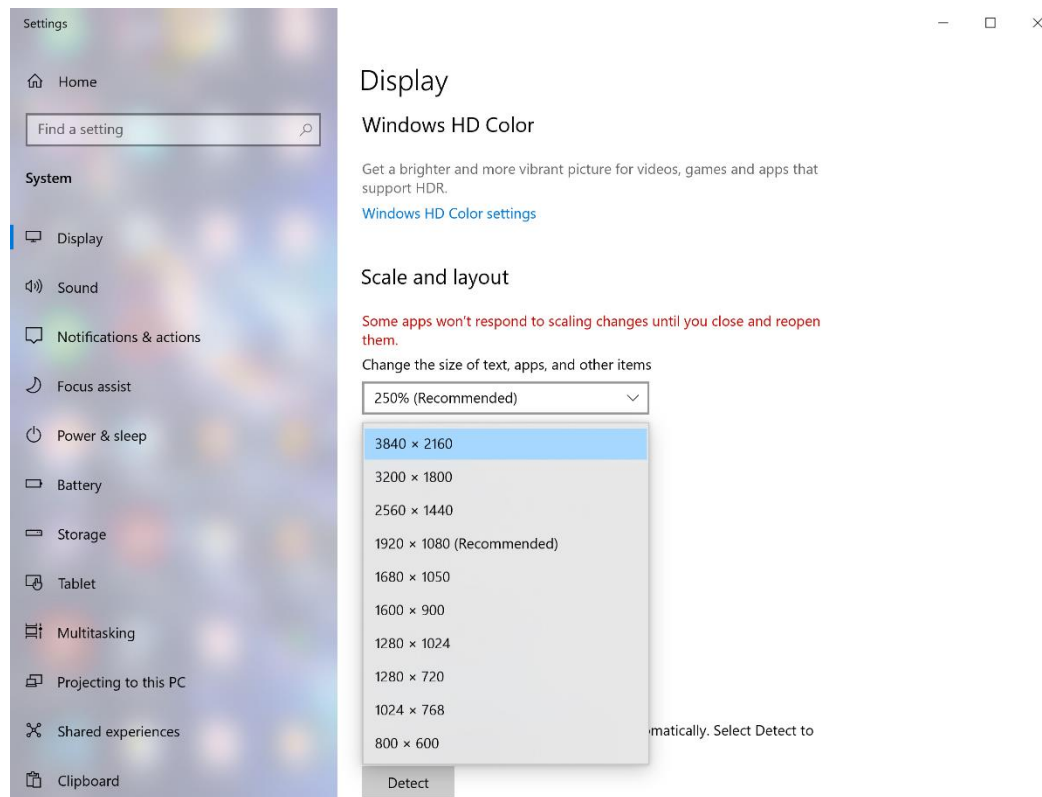
## AMD GPU/IGP

1. Open Radeon Software (installed with the driver).
2. Under the **Display** tab, enable **Virtual Super Resolution**



Once you have enabled DSR or VSR, depending on your device, you should find resolution settings of up to 4 times the maximum resolution supported by your display device, under your display settings. To activate this:

1. Right click on your desktop and click **Display settings**.
2. In the **Display resolution** menu under **Scale and layout**, select the resolution you want.



3. Click **Keep changes** in the popup that appears.

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It is possible to use this method on top of the previous one within browsers, but given that we have the option of specifying the scaling factor in the browser method, there's no need to do this.

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This method is a bit resource intensive. So, it's highly recommended to revert the resolution back the normal/default setting when you don't need to capture screenshots.

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