

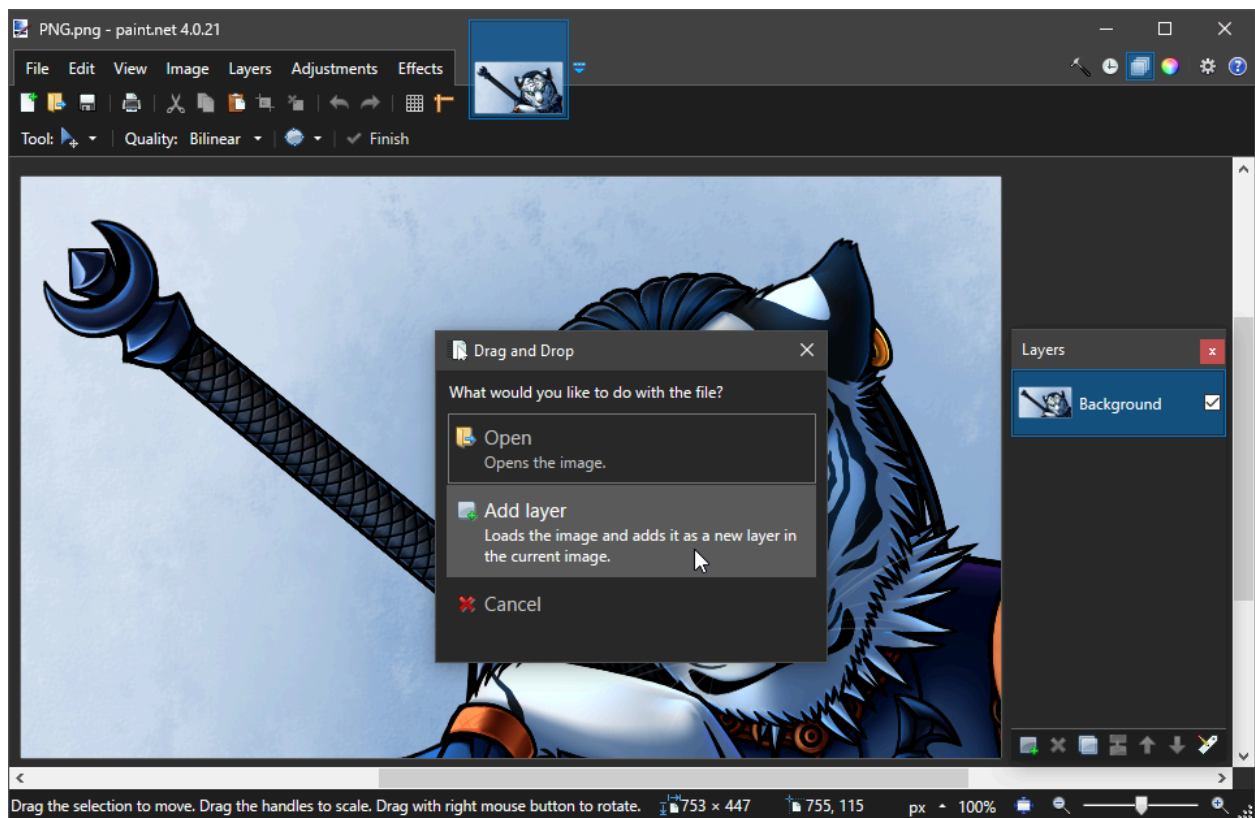
This tutorial assumes you've already downloaded and installed [Paint.net](#). If you haven't done so yet then do it before continuing.

This tutorial will work similar for all other image editing or art programs that support layers, and different layer modes.

Step 1: Download both images. For demonstration purposes we will be using [PNG.png](#) and [JPG 100.png](#) from the e621:Image Quality wiki.

Step 2: Open Paint.net and simply drag and drop the first image (PNG.png) into it.

Step 3: Drag and drop the second image (JPG 100.png) into the window. You should receive a pop up box like the one below:

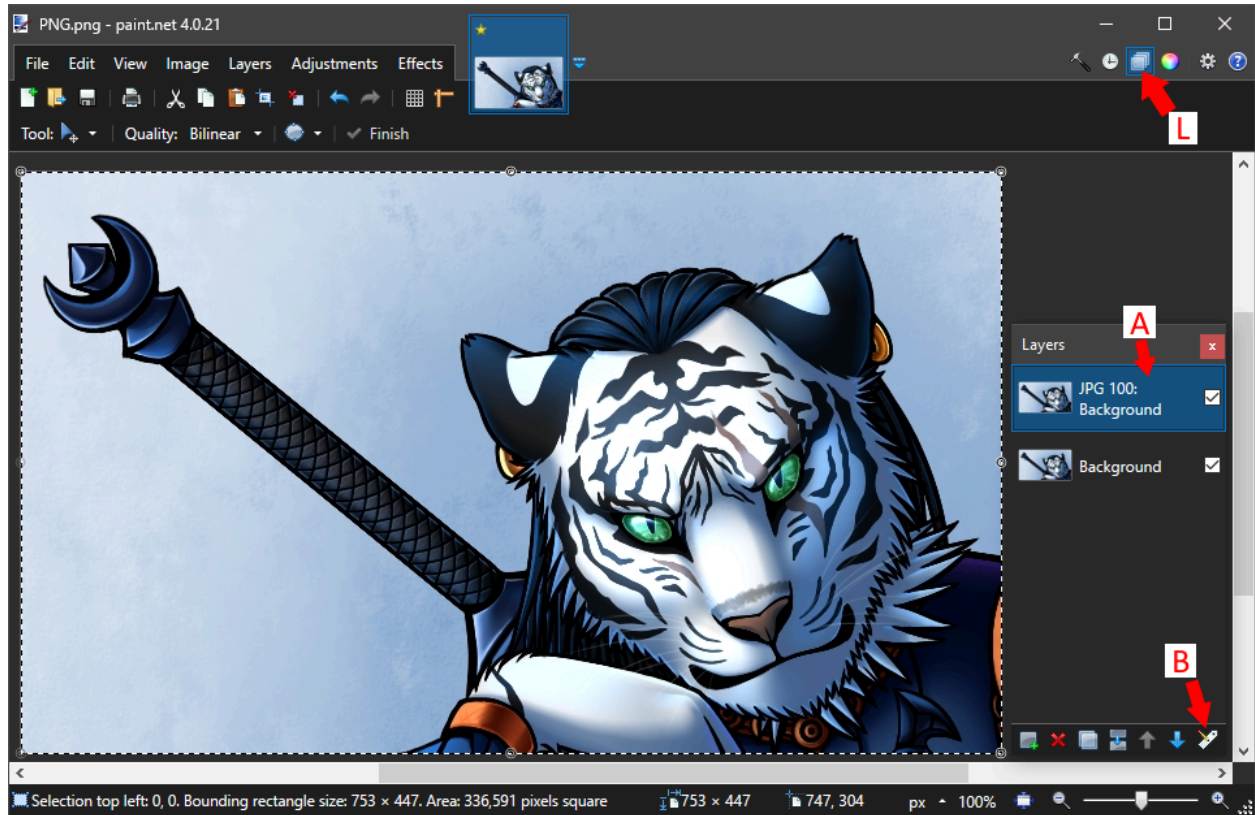


Select the highlighted “Add Layer”.

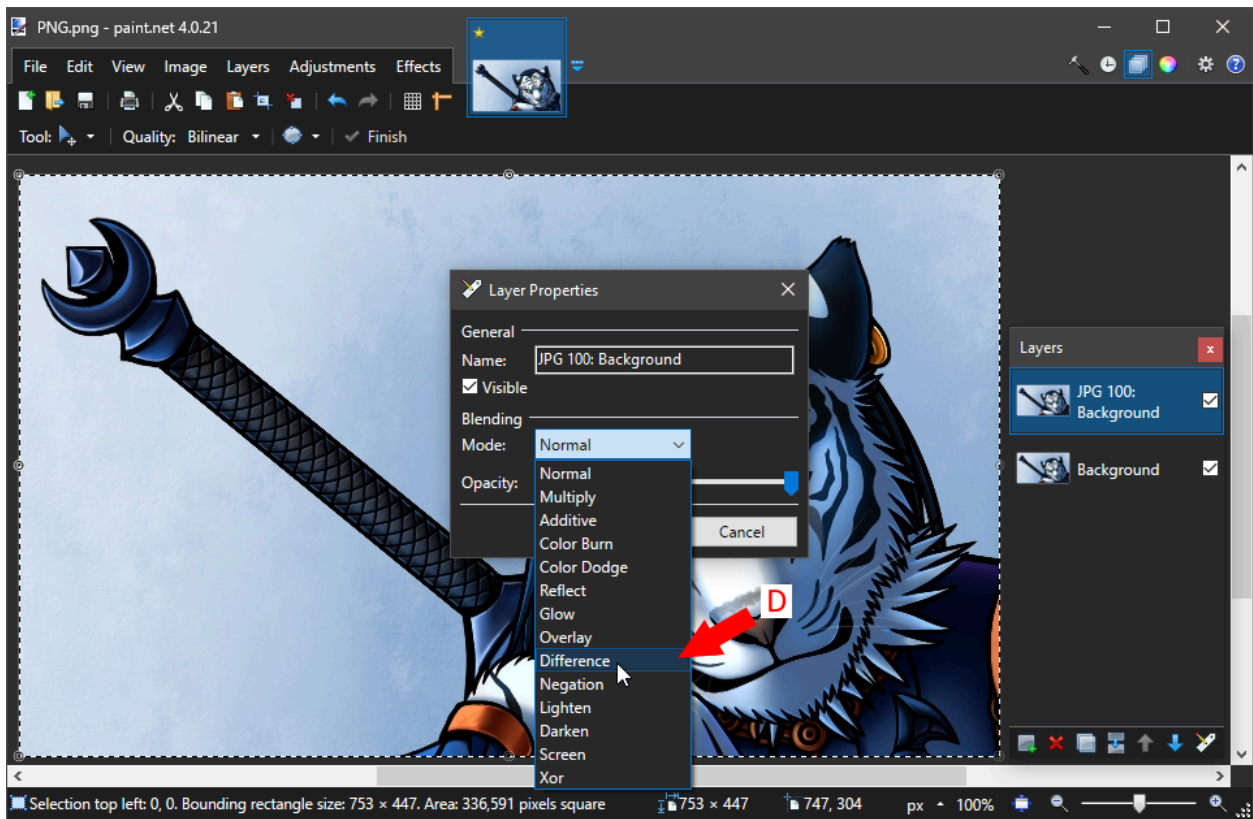
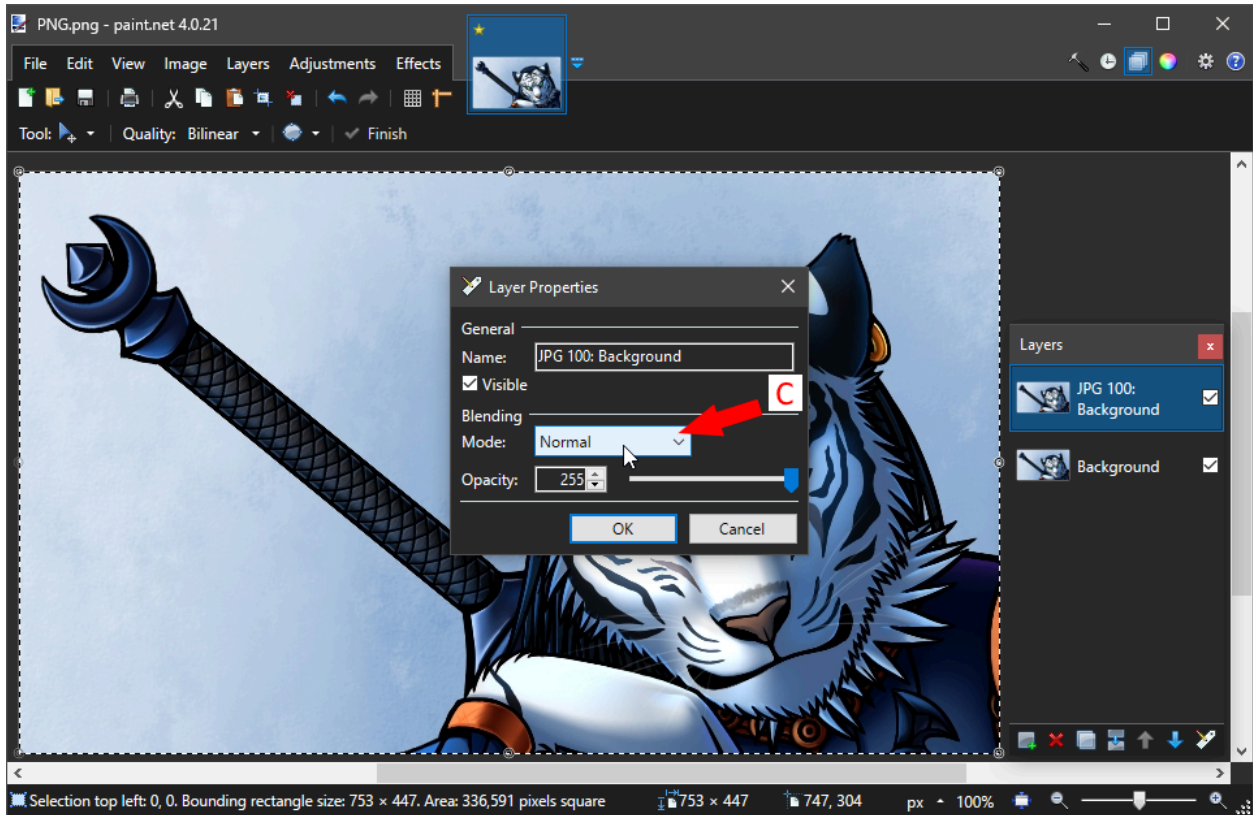
Step 4: Locate the “Layers” Box and highlight the upper Layer (marked with “A” in the screenshot below).

If you can’t find the “Layers” Box toggle them on by clicking on the Symbol marked with “L” on the below screenshot.

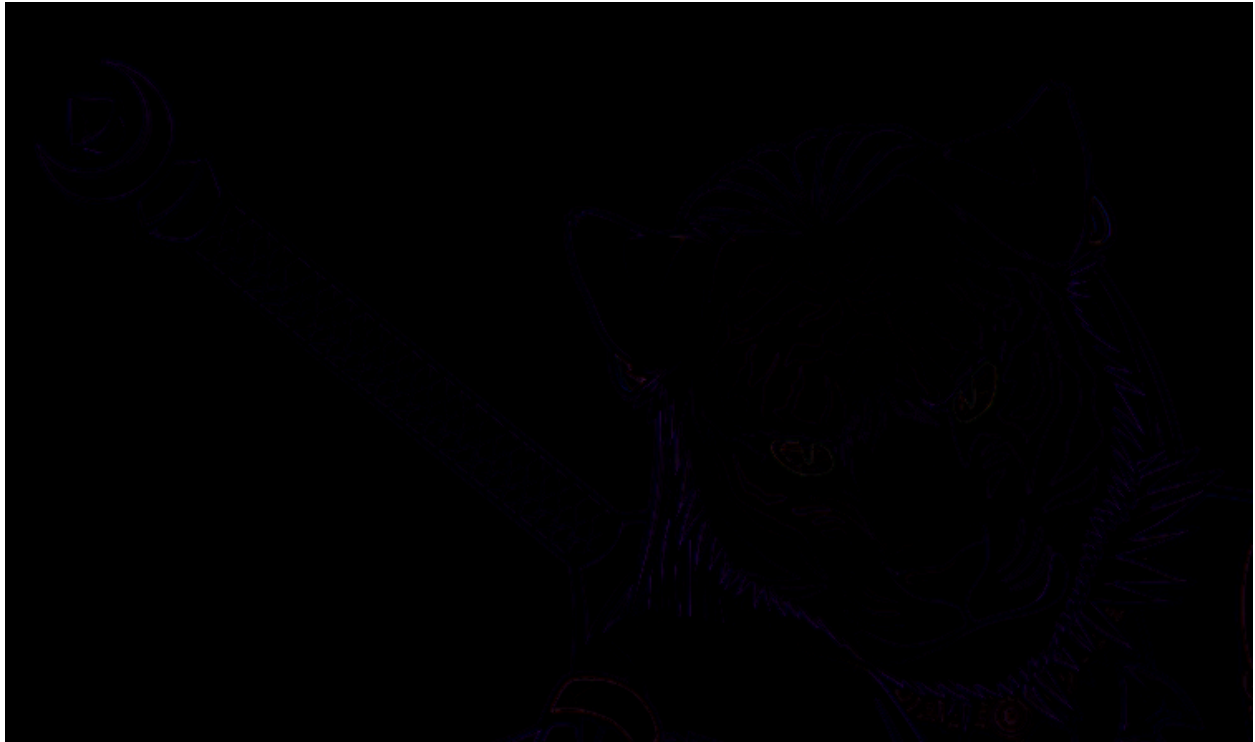
Once you have highlighted the correct layer click the Properties Button (marked with “B” on the screenshot).



Step 5: In newly opened Layer Properties Window locate the Mode Drop Down Box (“C”) and change it from “Normal” to “Difference” (“D”). Then Click Okay.



Step 6: The resulting image should now be dark with a slightly colored outlines in it (pictured below). Those colored spots are the differences between the two images, and are attributed solely to the JPG compression.



Full image can be found [here](#).

If there is any color visible that means the two images are visually distinct, even if the human eye can't see the differences very easily. This is the only reliable way to find even small differences between two otherwise identical images.

