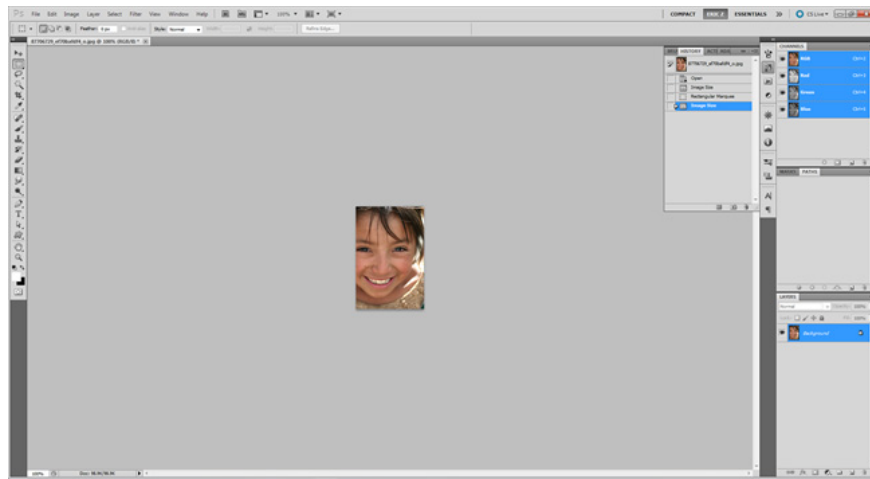


# 3 tips to improve low-resolution image quality

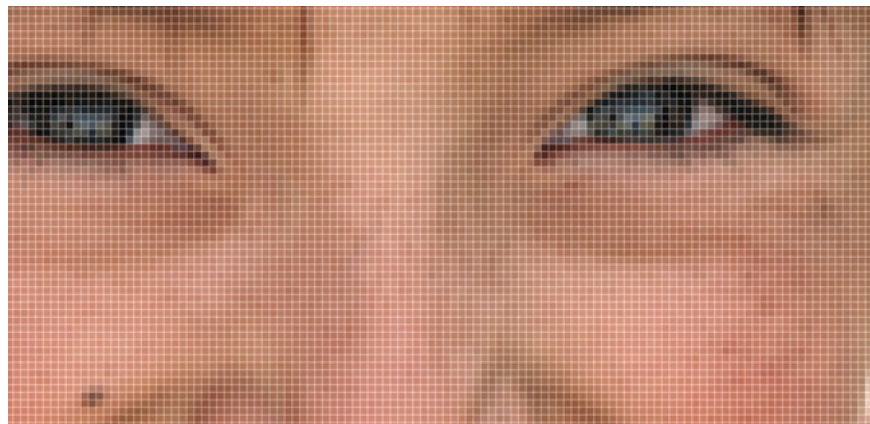
When you need to handle low-resolution photos - how low resolution do we have to do if we want to enlarge those photos? Actually, the remedy is not so difficult and complicated as many people think

When you need to handle low-resolution photos - how low resolution do we have to do if we want to enlarge those photos? Actually, the remedy is not so difficult and complicated as many people think. In the following article, we will show you how to solve this problem with Adobe Photoshop software.

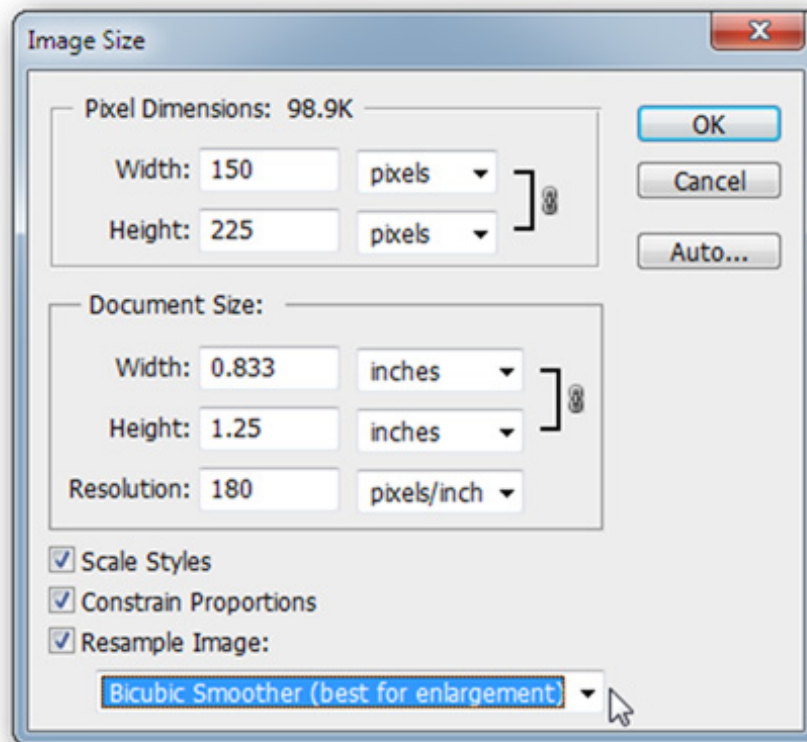
And here is our sample photo when in 100% normal mode.



When zooming in:



Try changing the image size with a few simple steps:

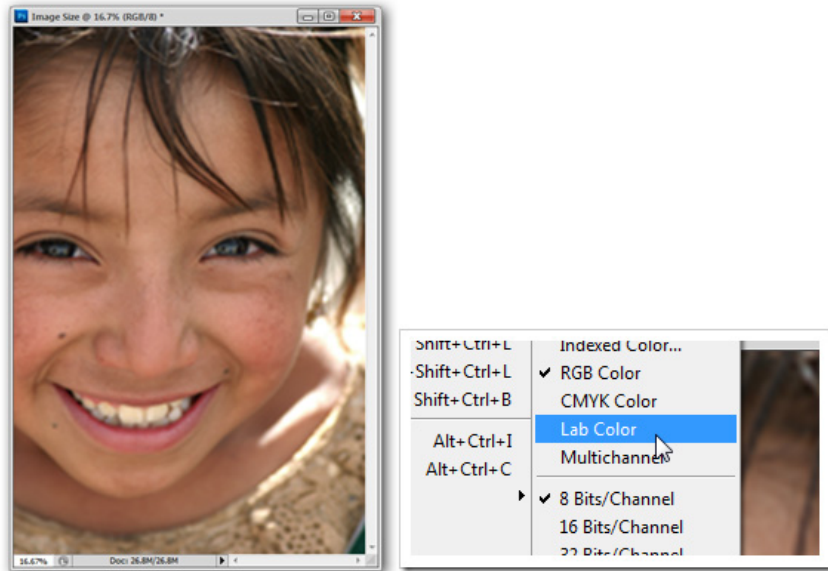


Select **Image> Image Size** menu , in **Resample Image**, you switch from default **Bicubic** to **Bicubic Smoother (best for enlargement)**.

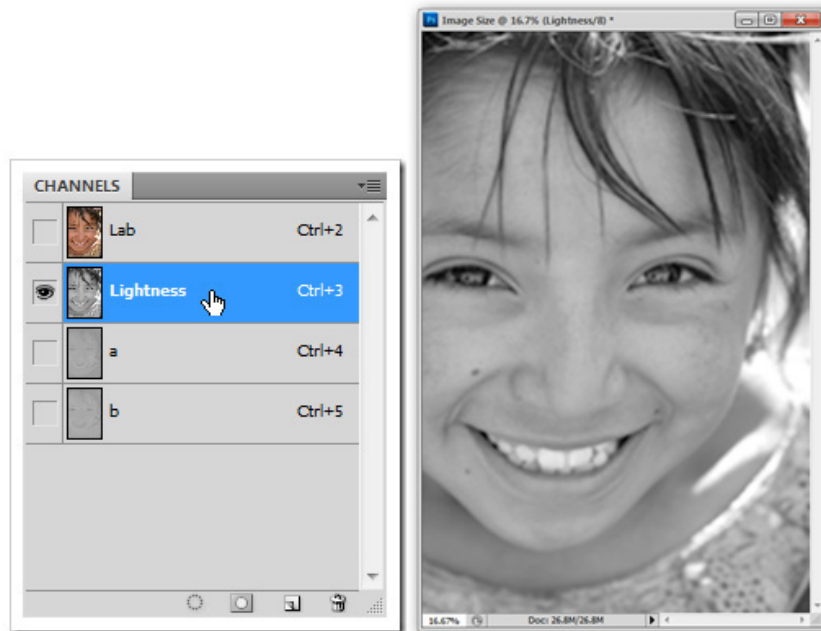


Note that **Bicubic Smoother** mode is a bit different from basic **Bicubic** . Based on the detail reduction mechanism in the picture, our work will become natural, smooth and no longer the same angle.

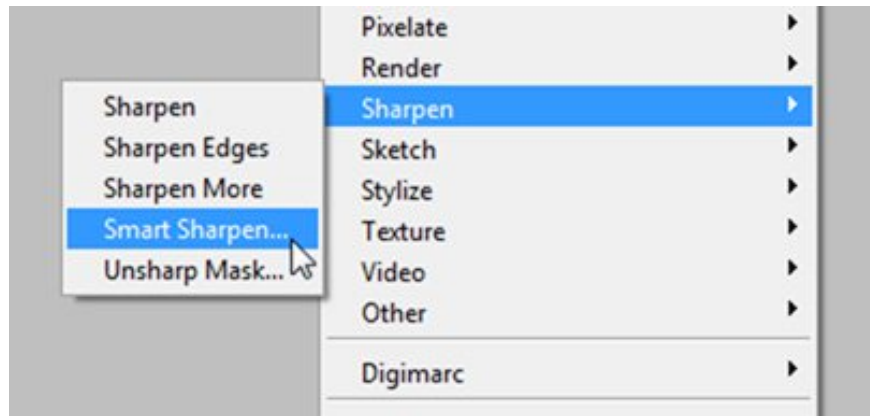
**Improve quality when zooming in:**



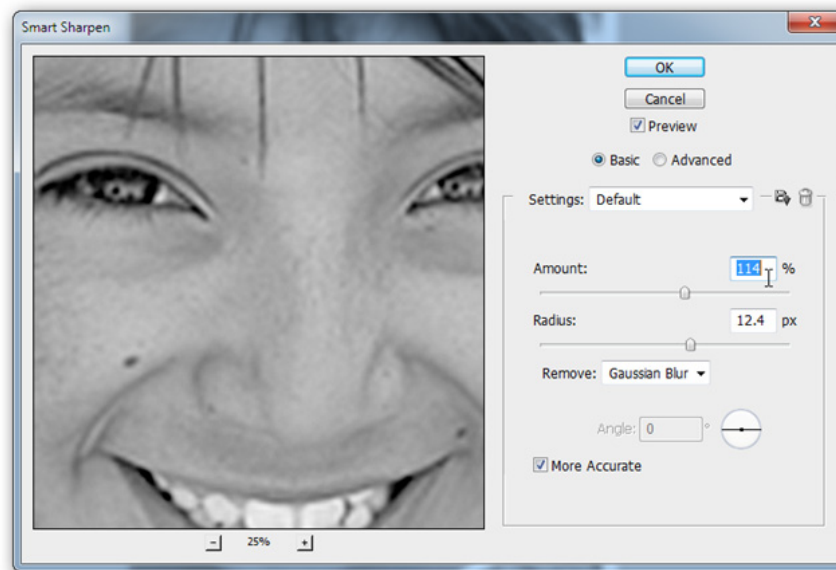
Most **Photoshop** users do not apply **RGB** or **CMYK** . And here, we will use a different color mode called **Lab Color** . Open the image to edit and select **Image> Mode> Lab Color** :



Make sure you're opening the **Channel** section by clicking **Window> Channels** , then selecting **Lightness** .



Once you've selected **Lightness** , continue with the **Smart Sharpen** filter via the **Filter> Smart Sharpen** menu



In this test, the filter above works quite well, but depending on the specific case, you apply many times or change the setting accordingly.



Keep the setting in the Remove section to Gaussian Blur

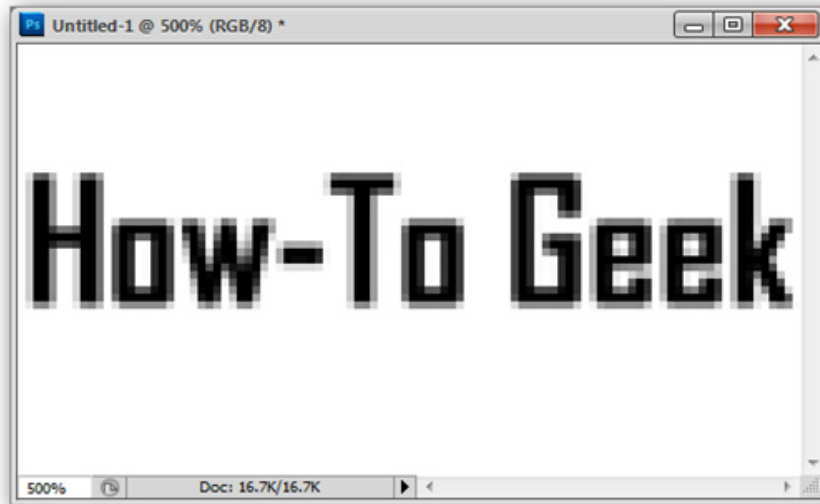
Besides, you can keep **Lab Color** unchanged or change back to **RGB** mode if you want, unlike the conversion process between **RGB** and **CMYK** then **RGB** performs this quite perfectly, in other color mode We can combine multiple **channelset** by pressing **Ctrl + 2**:



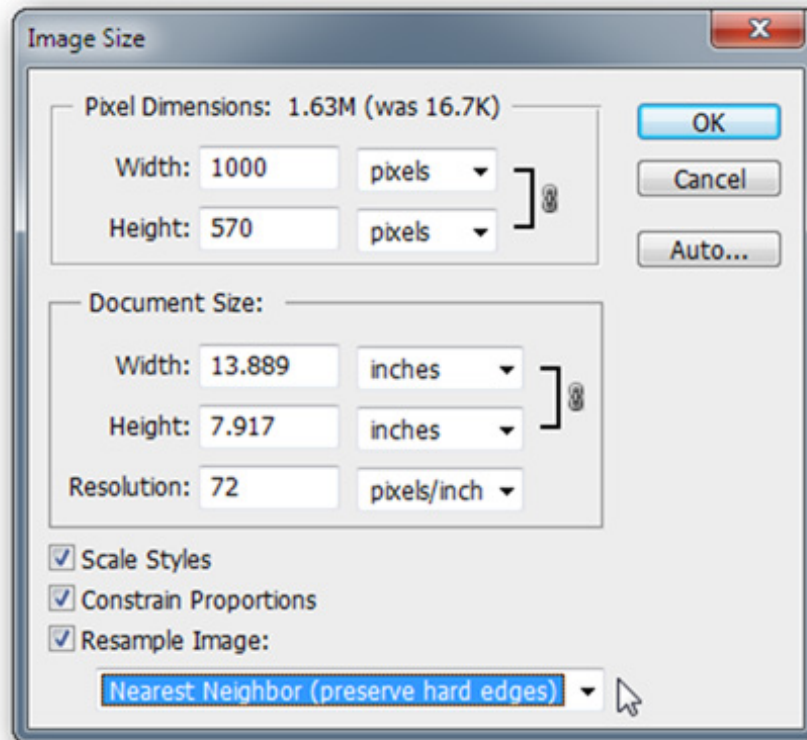
Obviously, with this approach, you can easily see the change.



With **Typography** :



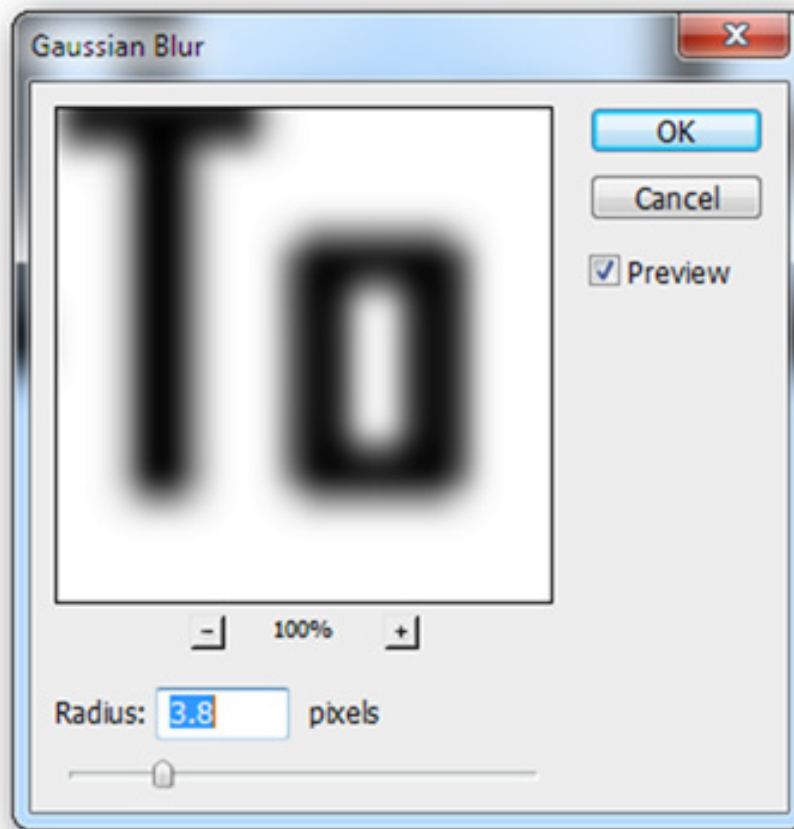
However, with **Typography** it is completely different. For example, with such a low resolution, just increasing the length by **100 pixels** is much different.



Here, we increase the size of the photo by 10 times and apply the **Nearest Neighbor** setting .



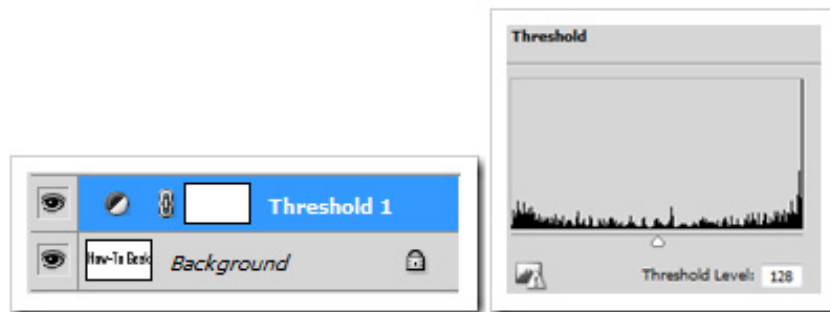
And the result is as above. Let's see what we can do to fix it.



Apply **Gaussian Blur** filter by selecting **Filter> Gaussian Blur** to change the details of the text inside the image.



The temporary result here will look like the image above.



Next, using the **Threshold** feature to manipulate, click the icon next to the newly created **Threshold** layer in the **Layers Panel** to insert a new layer.



And the details in the photo have become smooth, less angular. If you are not satisfied, we can use more **brush** tools to edit more. Good luck!

See more:

1. Use Photoshop online
2. How to sharpen images in Photoshop in 2 ways
3. How to use Photoshop CS5 - Part 5: Photo editing

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