

PEERNET TIFF Image Printer

How To Create High Resolution TIFF Images For Journal Publication



OVERVIEW

Academic and scientific journals and magazines usually have specific requirements when it comes to the submission of images. One of the most commonly accepted formats are high resolution TIFF images.

Using the [TIFF Image Printer](#) together with any application that you can print from, you can easily create high-resolution TIFF images that meet your image submission requirements.

For this example, let's say your image submission requirements are as follows:

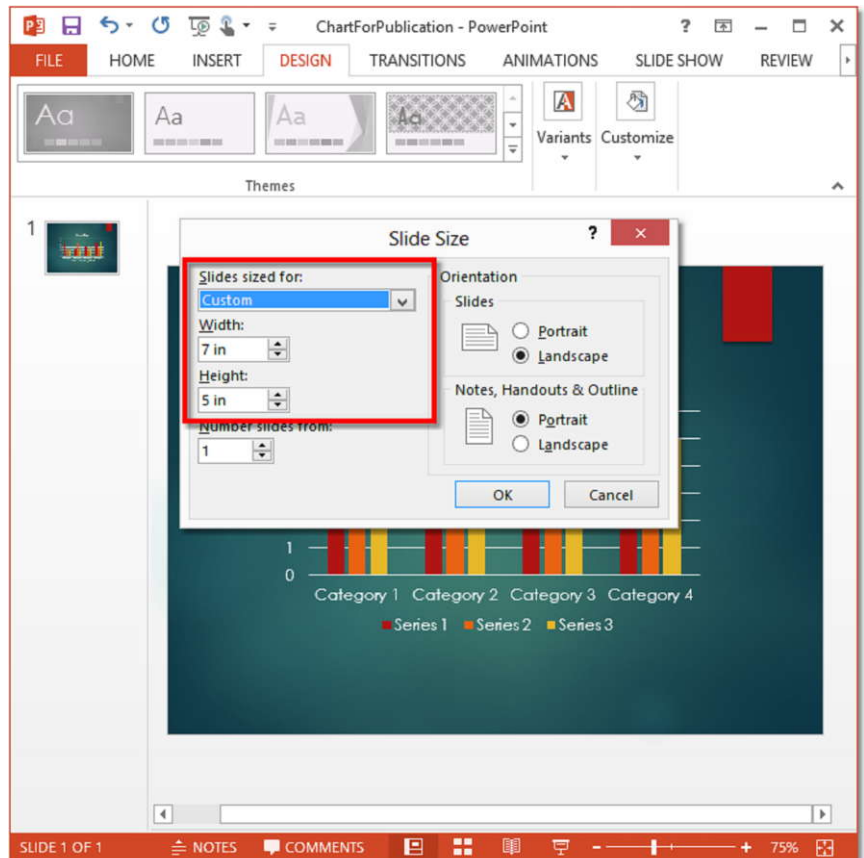
- Resolution of 600DPI
- Full color TIFF images
- Use LZW CMYK compression

TUTORIAL VIDEO

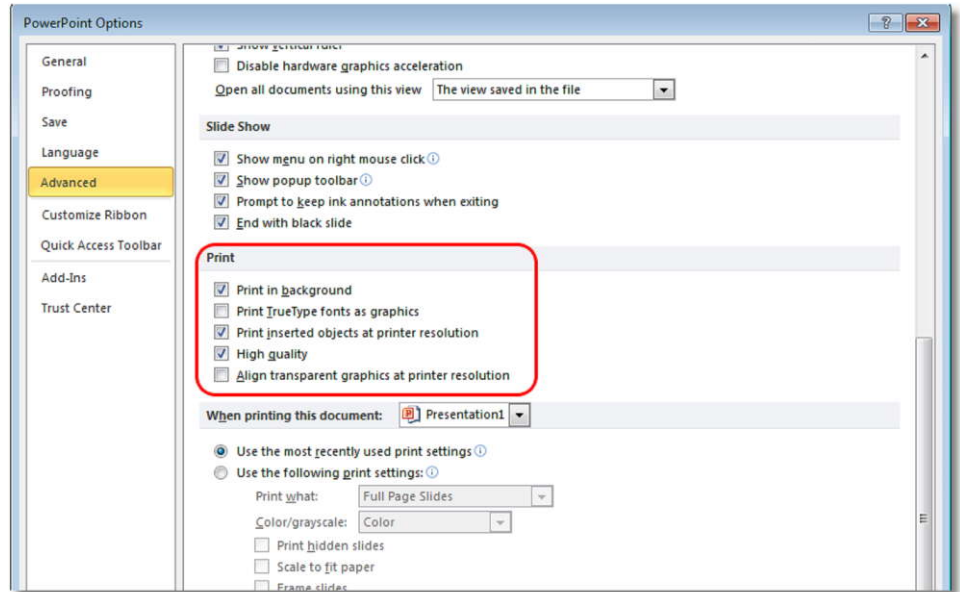
Watch on YouTube: <https://www.youtube.com/watch?v=NOMQgNM9p0I>

STEPS FOR CREATING HIGH RESOLUTION TIFF IMAGE

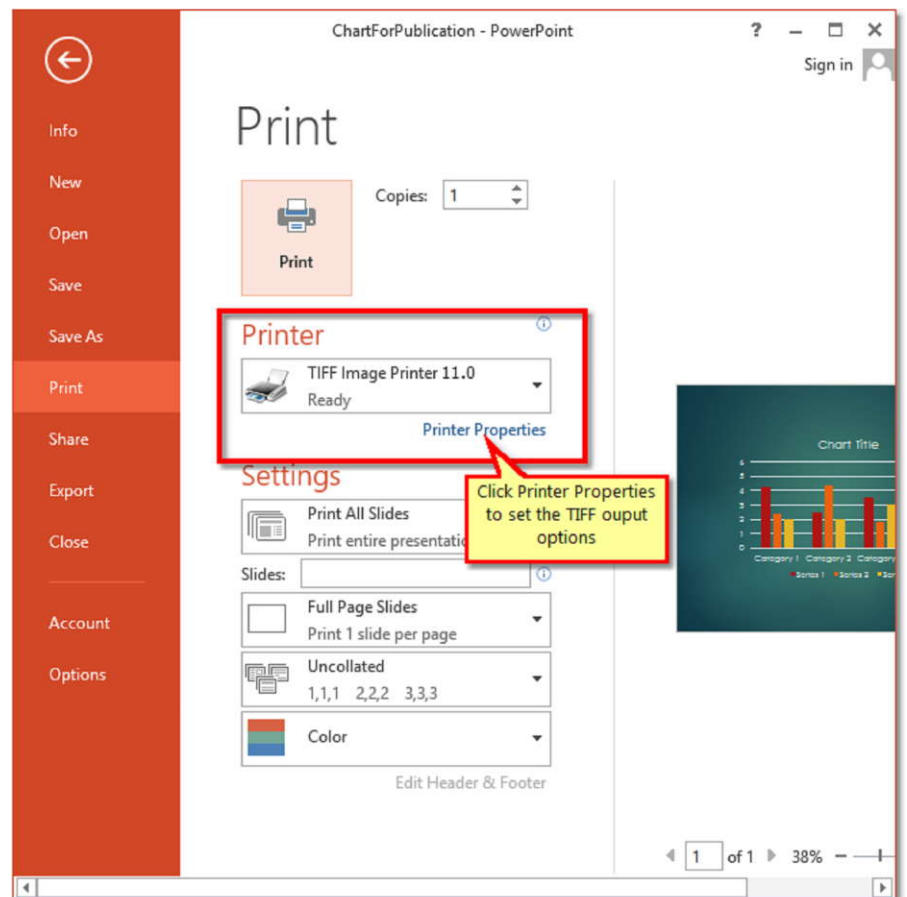
1. For this example, we have opened a PowerPoint slide containing a chart. This is a slide with a *custom size of 5×7 inches*. The size is shown in reverse here because the presentation is landscape orientation.



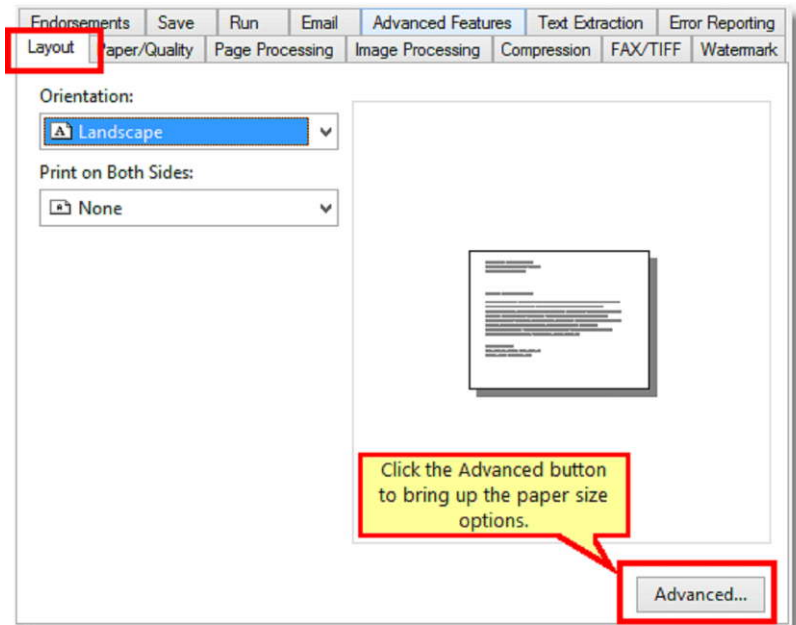
2. To get the best quality output from PowerPoint, we need to have PowerPoint print the slides at high quality. To set the printing quality, go to the **File** menu and select **Options** to open the *PowerPoint Options* window. From here, select the **Advanced** options then scroll down to the **Print** section. Enable *Print Inserted objects at printer resolution* and *High Quality*.



3. From the **File** menu, select **Print** to bring up the print options. Select the *TIFF Image Printer* as the desired printer and then click *Printer Properties* below to set the TIFF output options.

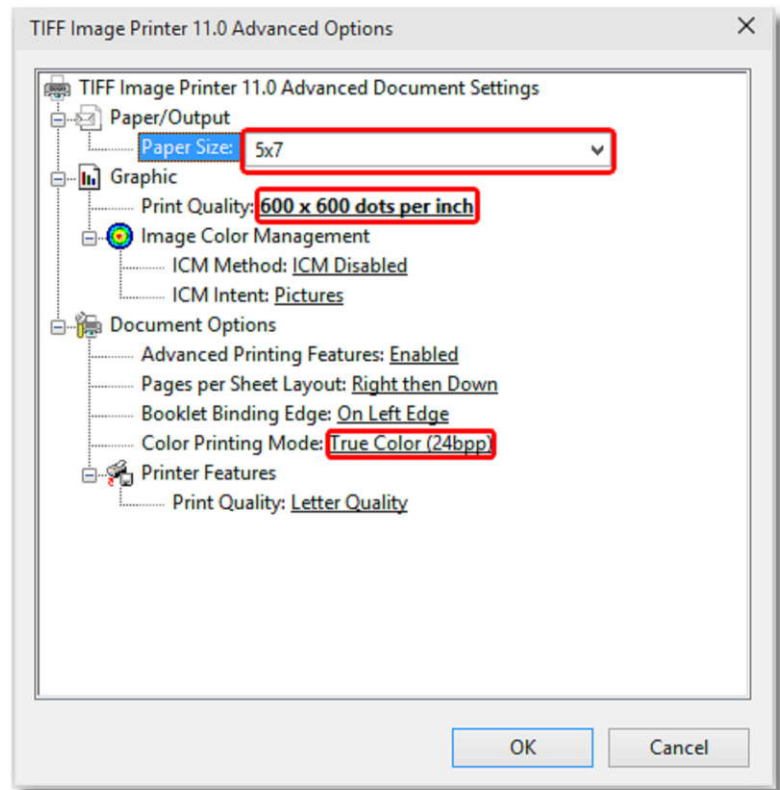


4. On the **TIFF Image Printer Properties** screen, click the **Layout** tab and click the *Advanced* button in the lower right hand corner.

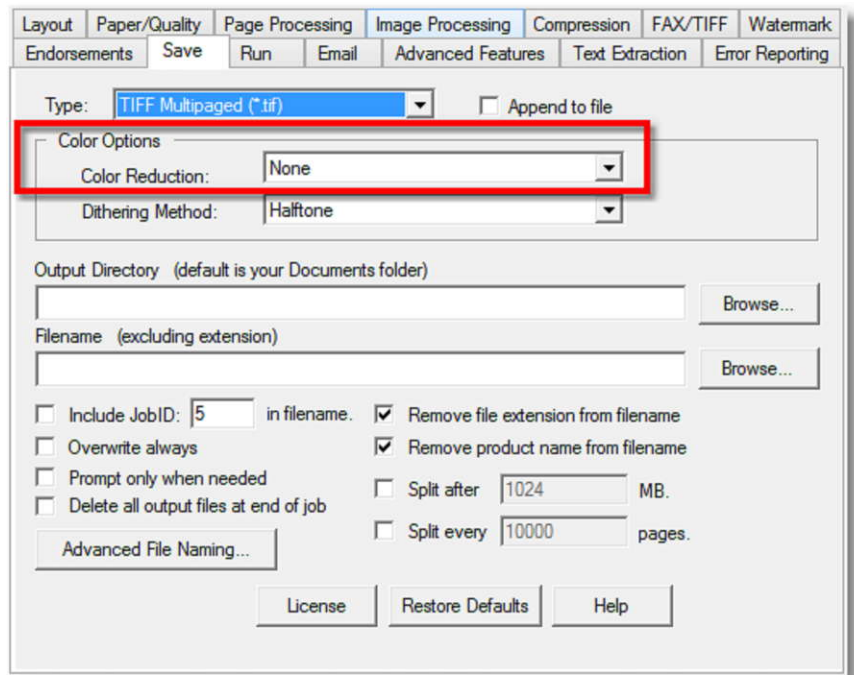


5. On the **TIFF Image Printer Advanced Properties** screen, set the following settings:

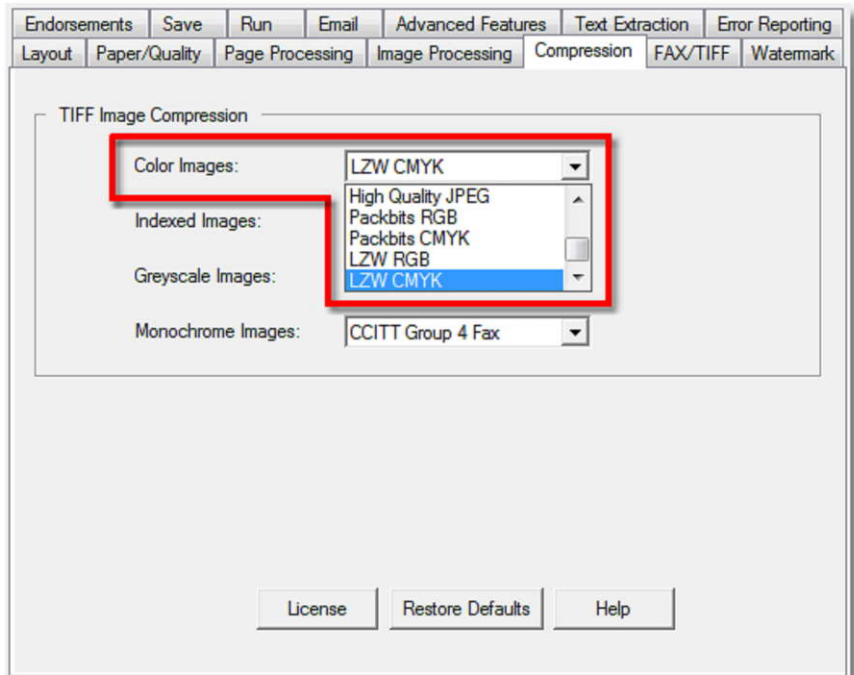
- Set the **Paper Size** to match the size of the slide, in this case 5x7. If the paper size you want is not in the list, see this FAQ webpage on [adding custom paper sizes](#).
- Set the **Print Quality** to 600 x 600 dots per inch.
- Set the **Color Printing Mode** to True Color (24bpp).
- Click the **OK** button to save these changes.



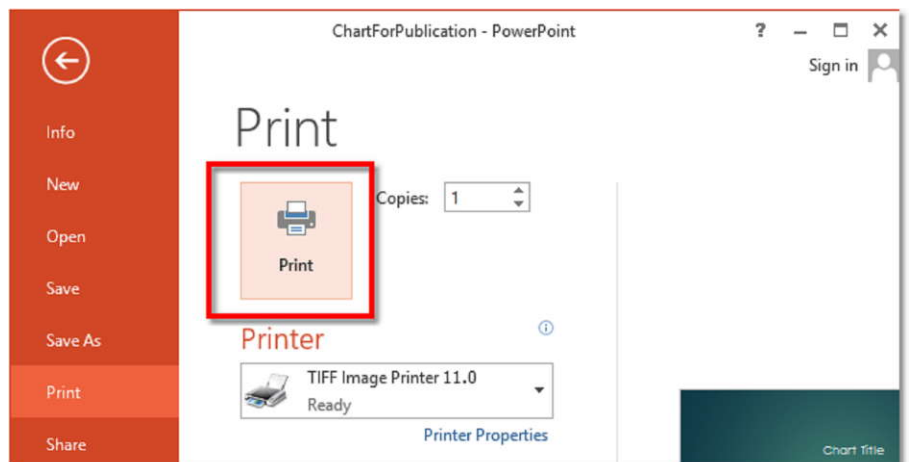
6. Back on the **TIFF Image Printer Properties** screen, click the **Save** tab and set *Color Reduction* to None.



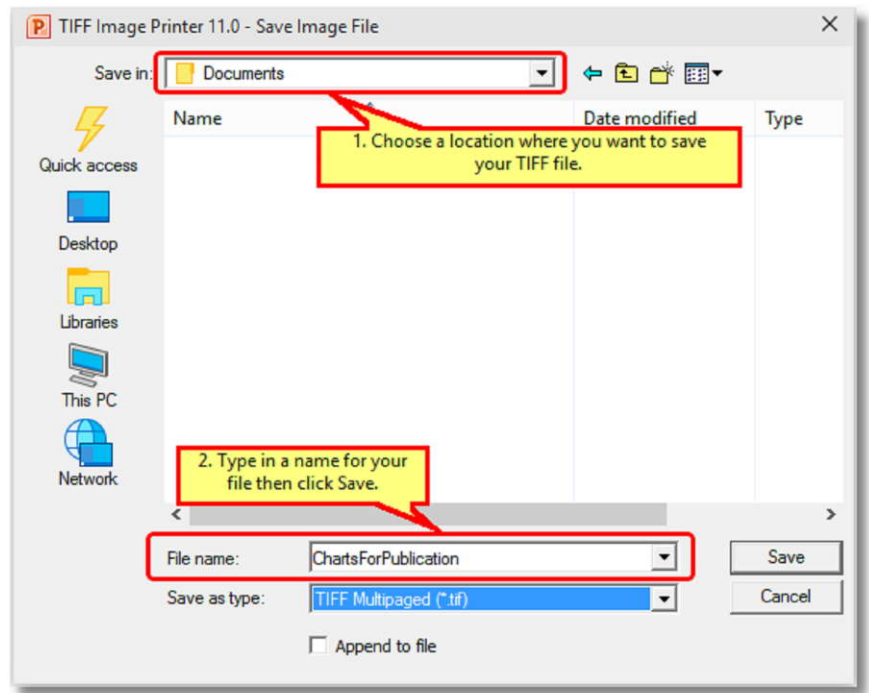
7. Click the **Compression** tab and choose *LZW CMYK* as the compression method for Color Images. Depending on your submission requirements, you may need to choose a different compression method.



8. Click **OK** to save these settings, then click the **Print** button to print the presentation to the TIFF Image Printer.



9. In the **Save Image File** dialog that appears select a *location* and *name* for your new TIFF image, then click the Save button.



Color Schemes for Print

The TIFF image created using the above settings is shown below. This image was created using the compression method **LZW CMYK**. As a comparison, the same presentation created using the compression method **LZW RGB** is also shown. Note the difference in colors that occurs when the image is saved with the different compression methods. This is because RGB and CMYK are different *color schemes*.

RGB, which stands for **Red, Green, Blue**, is the color scheme used by your computer screen and most applications.

CMYK, which stands for **Cyan, Magenta, Yellow** and **K** for **Black**, is the color scheme used by your printer to print the images on paper. When the TIFF image is saved using the LZW CMYK compression method, the RGB colors that you see are converted to CMYK colors, causing in some cases the shift in colors you see below. Depending on the colors used in your publication, you may not see any color change at all.

