



PDF Format and Adobe Photoshop

What is PDF format?

Portable Document Format or PDF is a flexible, cross-platform, cross-application file format. Based on the PostScript imaging model, PDF files accurately display and preserve fonts, page layouts, and both vector and bitmap graphics. In addition, PDF files can contain electronic document search and navigation features such as electronic links. Portable document format allows a file to be sent to a digital print workstation to be printed (such as Carleton's Graphic Services), sent in an email, or posted to a website.

Adobe Photoshop is an image editing, photo retouching and color painting application. Adobe Photoshop has two types of PDF files: Photoshop PDF files and Generic PDF files. You can open both types of PDF files; however, you can only save images to Photoshop PDF format.

Photoshop PDF files are created using the **Photoshop Save As** command. *Photoshop PDF files can contain only a single image.* Photoshop PDF format supports all of the colour modes and features that are supported in standard Photoshop format. Photoshop PDF also supports JPEG and ZIP compression, except for Bitmap-mode images, which use CCITT Group 4 compression.

Generic PDF files are created using applications other than Photoshop, such as Adobe Acrobat and Adobe Illustrator, and can contain multiple pages and images. When you open a Generic PDF file, Photoshop rasterizes the image.

Note: All PDF files are not the same—there can be significant differences in resolution, versions, etc.

What kind of images can I save using Adobe Photoshop?

Using Adobe Photoshop many graphic file formats, *including tiff, jpg, ai, and eps, can be opened and the graphics file can be saved to a PDF file format in a couple of simple steps.* ArcView exported layouts, the National Capital Commission orthophoto tiff files, the City of Ottawa jpg files are examples of image files that can be opened in Photoshop.

How do I make an ArcView 3.x layout into a PDF file?

Export your layout in a format that can be opened by Adobe Photoshop: jpeg (jpg), ai or eps and then follow the instructions below. For printing on campus at Graphic Services choose a page setup size of up to 12"x18".

How do I save a file in PDF format in Adobe Photoshop?

You can use the **Save As command** to save images in PDF format using Adobe Photoshop. To save a file in *PDF* format:

- ✦ Open Photoshop. Select **File > Save As** and choose *Photoshop PDF* from the drop down list.
- ✦ Specify a filename and location, select saving and click **Save**.
- ✦ Select an encoding method. *Note:* Bitmap-mode images are automatically encoded using CCITT compression--the PDF Options dialog box does not appear.
- ✦ Select **Save Transparency** if you want to preserve transparency when the file is opened in another application. When reopening the file in Photoshop transparency is always preserved, regardless of whether you select or deselect this option.
- ✦ Select **Image Interpolation** if you want to anti-alias the printed appearance of a low-resolution image. Anti-aliasing is the smoothing of the edges on type or illustrated images.
- ✦ If the image contains vector graphics (such as shapes and type), select **Include Vector Data** to preserve vector data in the PDF file. Including vector data maintains resolution-independent edges for all type and paths and ensures smoother output.
- ✦ When **Include Vector Data** is selected, you can select the following options:

Embed Fonts to embed all fonts that are used in the image. This ensures that the original font is used for display and printing on computers that do not have the font installed. Bitmap fonts, fonts that don't allow PDF embedding, substitute fonts, type that uses the faux bold style, and warped type cannot be embedded. Selecting the **Embed Fonts** option increases the size of the saved file.

Use **Outlines for Text** to save the text as paths instead of as a PDF text object. Select this option if embedding the font results in a file that is too large, if you plan to open the file in an application that cannot read PDF files with embedded fonts, or if a font fails to display or print correctly. Text saved as outlines is not searchable or selectable in a PDF viewer (such as Adobe Acrobat). You can, however, edit the text when you reopen the PDF file in Photoshop.

If you **deselect Use Outlines for Text**, text is saved as a PDF text object, which causes a PDF viewer to draw the text with the font information available in the file. If the font is not embedded in the file (using the Embed

Fonts option), the PDF viewer may substitute a font or use a faux font.

- ✦ Click OK.

Before leaving the Library check the resulting PDF by opening it.

Usually, you will open a PDF in Adobe Acrobat, or the free Acrobat Reader. If it looks correct, you're done!

For more help on PDF files see Adobe's website: <http://www.adobe.com> & help files in Adobe Acrobat and Adobe Photoshop