

Definition - What does *Adobe Photoshop* mean?

Adobe Photoshop is software that is extensively used for raster image editing, graphic design and digital art. It makes use of layering to allow for depth and flexibility in the design and editing process, as well as provide powerful editing tools, that when combined, are capable of just about anything.

It was created by brothers Thomas and John Knoll in 1988. In 1989, John sold the program to Adobe Systems, which marketed it as “Photoshop.” Since then, the program has become the de facto industry standard for raster graphics editing. It is published for both macOS and Windows, but not Linux.

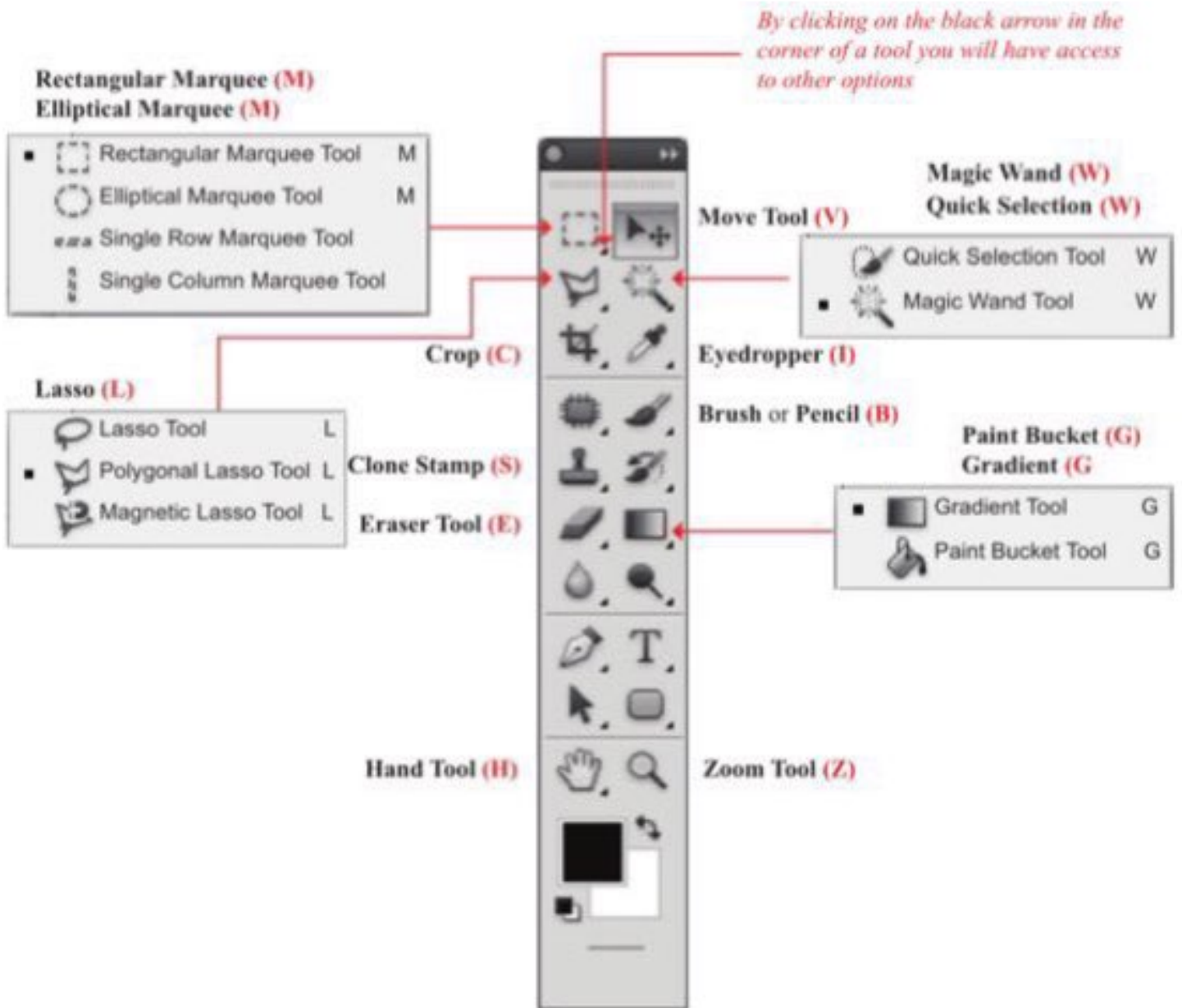
Techopedia explains *Adobe Photoshop*

Adobe Photoshop was originally developed in 1987 by Thomas and John Knoll, and then Adobe Systems Inc. bought the license to distribute in 1988. Thomas, then in school for his PhD at the University of Michigan, wrote a program on his Macintosh Plus that basically displayed images on a screen and called it Display. His brother John, an employee at industrial Light & Magic, convinced him to make it into a full program. They began to collaborate on it and eventually called it Photoshop, since ImagePro was already taken. They made a short-term deal with Barneyscan, a scanner manufacturer, to distribute copies of the program with a slide scanner they were selling; Photoshop shipped 200 copies this way.

Photoshop is specifically designed to allow users to create and edit raster images in multiple layers. These overlays or layers can support transparency and can also act as masks or filters that can alter underlying images in the layers below them. Shadows and other effects such as alpha compositing can be applied. It is also possible to apply several color models to these layers – CMYK, RGB, Spot Color, and Duotone and Lab color space.

The default file extension for a work in progress is called .PSD (Photoshop Document). A PSD file has a maximum of 30,000 pixels for width and height and a file length limit of 2 gigabytes.

Another type of Photoshop file is .PSB (Photoshop Big) – it is a large document format and extends the PSD's maximum height and width limit to 300,000 pixels and also extends the length limit to around 4 exabytes.



Adobe Photoshop Keyboard Shortcuts

Move Tool > **V**

Rectangular Marquee > **M**

Elliptical Marquee > **M**

Magic Wand > **W**

Quick Selection > **W**

Lasso > **L**

Polygonal Lasso

Crop > **C**

Eyedropper > **I**

Brush or Pencil > **B**

Clone Stamp > **S**

Eraser Tool > **E**

Set the size of these four tools to a larger or smaller size by pressing the brackets keys, the left bracket > **[** for larger and the right bracket > **]** for smaller

Paint Bucket > **G**

Gradient > **G**

Undo > go to History panel or for one move only:

Undo > **Ctrl Z/Cmd Z**

Redo > **Shift Ctrl Z/Shift Cmd Z**

Free Transform > **Ctrl T/Cmd T - Enter** to finish

Hand > **H**

Hold down Space bar for Hand option

Zoom > **Z**

Show/Hide All Panels > **Tab**

Show/Hide All But Toolbox > **Shift Tab**

New > **Ctrl N/Cmd N**

Open > **Ctrl O/Cmd O**

Close > **Ctrl W/Cmd W**

Save > **Ctrl S/Cmd S**

Save As > **Shift Ctrl S/Shift Cmd S**

Print > **Ctrl P/ Cmd P**

Select All > **Ctrl A/Cmd A**

Deselect > **Ctrl D/Cmd D**

Copy > **Ctrl C/Cmd C**

Paste > **Ctrl V/Cmd V**

Preferences > **Ctrl K/Cmd K - Keyboard Increment**

Toggle between Foreground and Background > **X**

Exit a program > **Ctrl Q/ Cmd Q**

In both Adobe Illustrator and Adobe Photoshop there are many more shortcut keys. The ones we have highlighted are the ones we find ourselves using most frequently. You are also able to create your own shortcuts for actions you find yourself doing more frequently. Consult the help menu for this.