

Introduction to Inkscape

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What Is Inkscape?

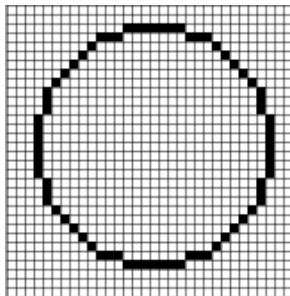
What?

Inkscape is a vector graphics editor.

Where?

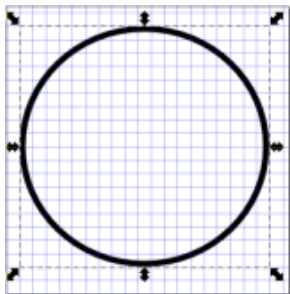
You can download Inkscape from
<http://www.inkscape.org/>

Bitmap Graphics



Bitmap graphics are made with a map of bits.
They look ugly when scaled to larger sizes.

Vector Graphics



Vector graphics are made with geometrical figures called vectors.

They look the same when scaled to larger sizes.

Interesting Output Formats

3D Graphics

- ▶ PovRay

GUI Programming

- ▶ XAML

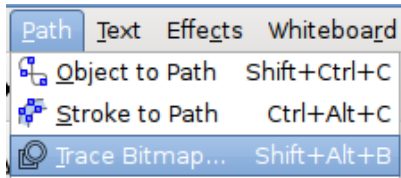
Printing

- ▶ Encapsulated PostScript (EPS)
- ▶ PDF

Web Graphics

- ▶ Scalable Vector Graphics (SVG)

Converting Bitmap Graphics



Use Path->Trace Bitmap from the menu.
You may also use Shift+Alt+B key.

Freehand Tool



The Freehand Tool (F6 key) is used to draw freehand lines.

Bezier Tool



The Bezier Tool (Shift+F6 key) is used to draw Bezier curves and straight lines.

Click for straight lines.

Click and drag your mouse for Bezier curves.

Calligraphy Tool



The Calligraphy Tool (Ctrl+F6 key) is used to draw variable-width lines.

This is done by varying the pen's angle while drawing.

The easiest way to do this is with a pressure-sensitive graphics tablet.

Select Tool



The Select Tool (F1 key) is used to select objects on the canvas.

Node Tool



The Node Tool (F2 key) is used to edit the nodes along a path.

Tweak Tool



The Tweak Tool (Shift+F2 key) is used to change paths and colors.

Zoom Tool



The Zoom Tool (F3 key) is used to magnify areas of the canvas.

Rectangle Tool



The Rectangle Tool (F4 key) is used to draw rectangles and squares.

Box Tool



The Box Tool (Shift+F4 key) is used to draw 3D boxes.

Ellipse Tool



The Ellipse Tool (F5 key) is used to draw ellipses, circles, and arcs.

Star Tool



The Star Tool (* key) is used to draw stars and other polygons.

Spiral Tool



The Spiral Tool (F9 key) is used to draw spirals.

Paint Bucket Tool



The Paint Bucket Tool (Shift+F7 key) is used to fill objects with color.

Text Tool



The Text Tool (F8 key) is used to add text to the canvas.

Connector Tool



The Connector Tool (Ctrl+F2 key) is used to draw diagram connectors.

Gradient Tool



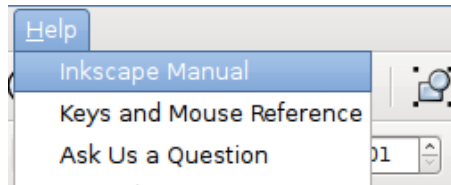
The Gradient Tool (Ctrl+F1 key) is used to draw gradients.

Dropper Tool



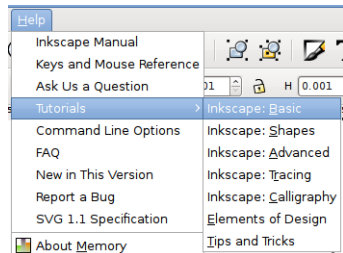
The Dropper Tool (F7 key) is used to find colors of objects.

Manual



Use Help->Inkscape Manual from the menu.

Included Tutorials



Use Help->Tutorials from the menu.

Other Tutorials

- ▶ <http://inkscapetutorials.wordpress.com/suggest-a-tutorial/tutorial-list/>
- ▶ <http://screencasters.heathenx.org/>
- ▶ <http://inkscape.teekoo.com/index.php>
- ▶ <http://www.cc.com.au/inkscape-talk>
- ▶ <http://www.microugly.com/inkscape-quickguide/>
- ▶ <http://www.ioncannon.net/utilities/123/10-tips-for-creating-good-looking-diagrams-using-inkscape/>