CoderDojo Athenry

"Above all, be cool"

Every week:

✓ Sign in at the door

If you are new:

✓ Fill in Registration Form

✓ Ask a Mentor how to get started

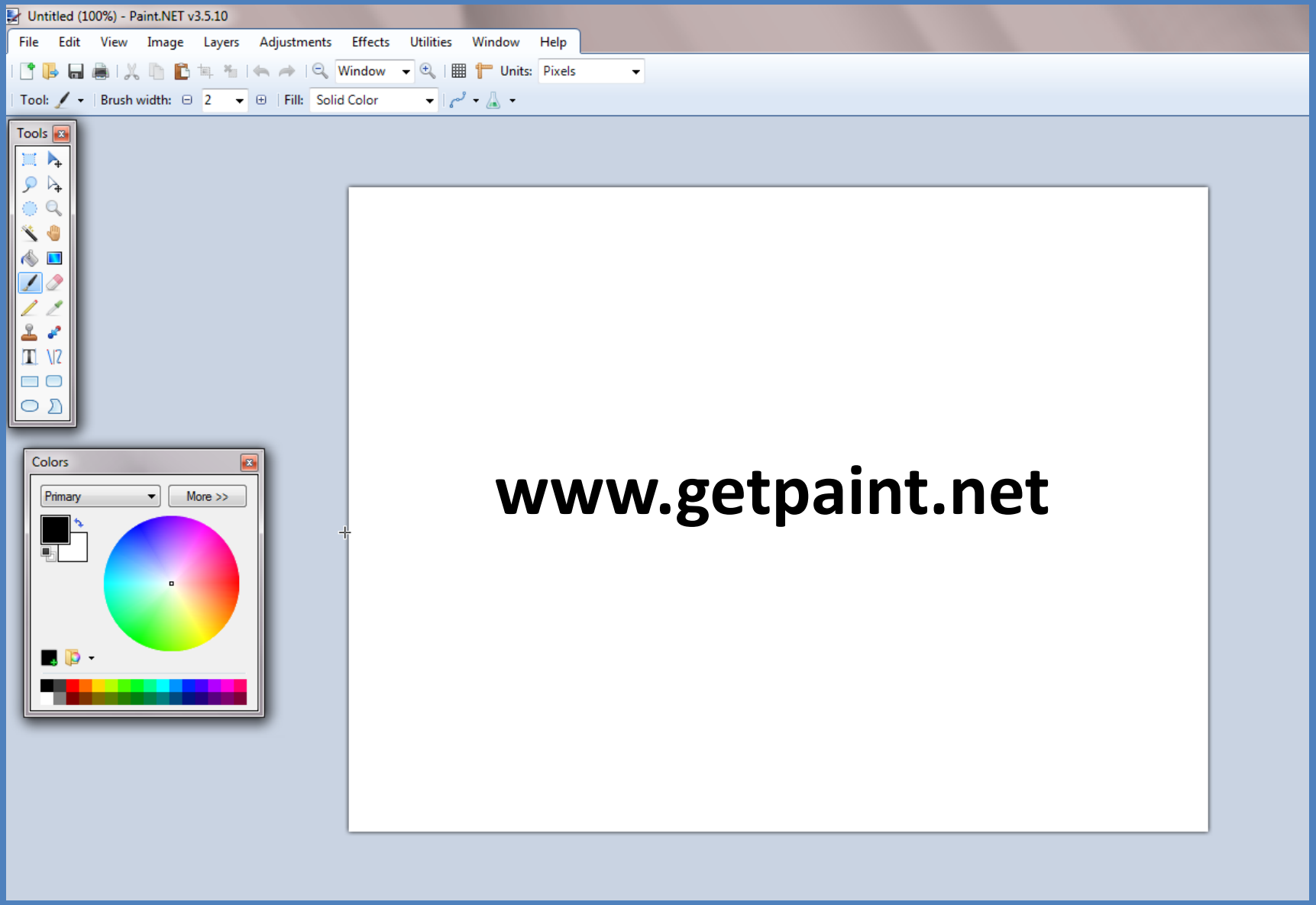
Make sure you are on the Athenry Parents/Kids Google Group: email coderdojoathenry@gmail.com

CoderDojo Athenry

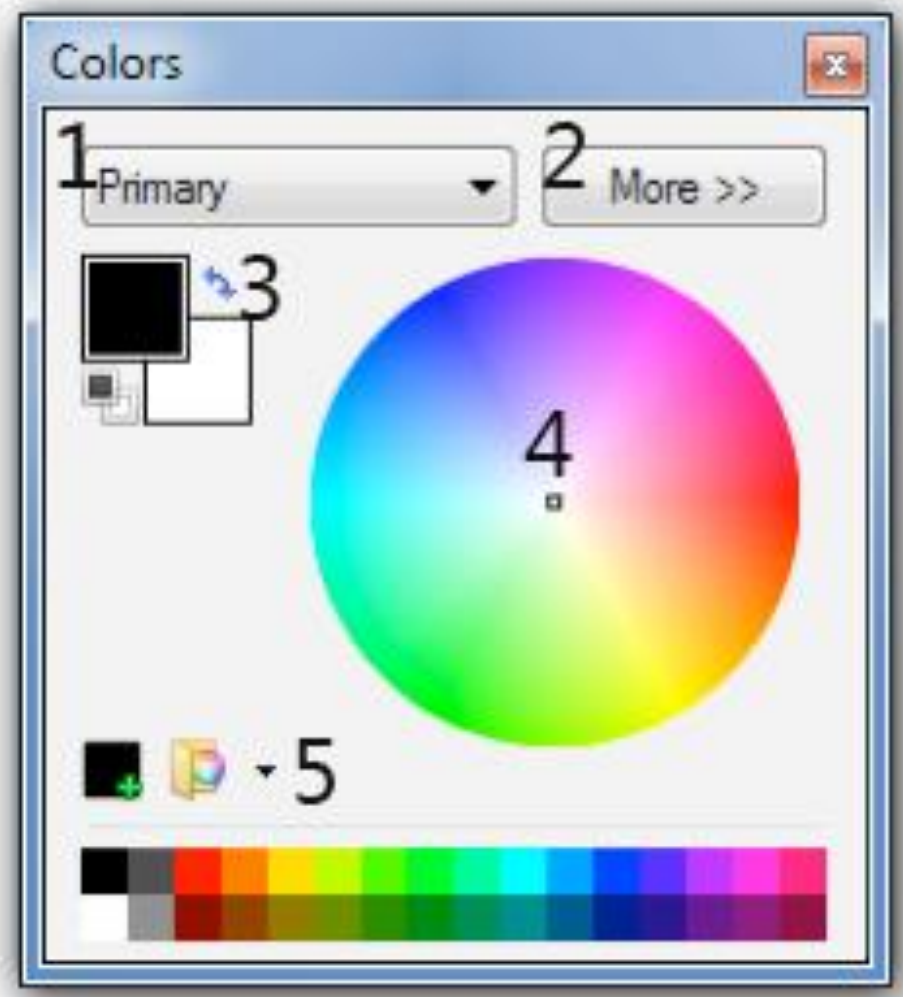
SCRATCH Beginners

Notes by Martha Fahy 2013

PAINT.NET


Untitled (100%) - Paint.NET v3.5.10
File Edit View Image Layers Adjustments Effects Utilities Window Help
Window
Units: Pixels
Tool: Brush width: 2 Fill: Solid Color
Tools
Colors
Primary
More >>
www.getpaint.net

Colours Window



1. Primary/Secondary Colour Selector
Select whether you would like to pick your primary or secondary colour.

2. More Options Toggle
Click this to view additional colour selection options.

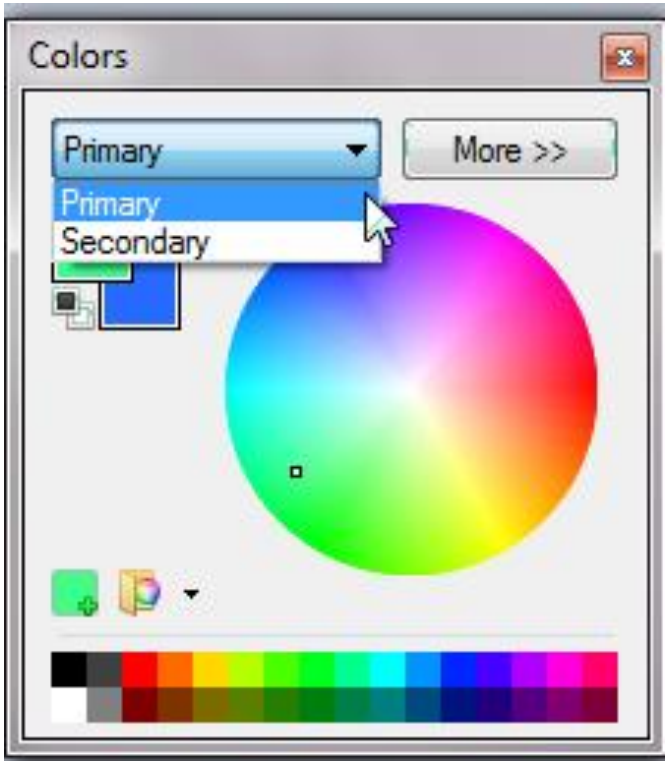
3. Current Colour Selection
This shows the currently selected primary and secondary colours.

4. Colour Wheel
Used for colour selection.

5. Palette Buttons
Used to manage palettes.

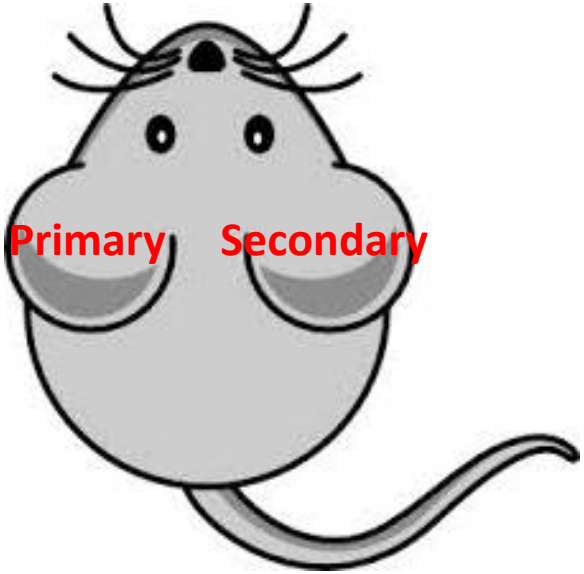
Colours Window

Primary and Secondary Colours



Primary, left-hand mouse button

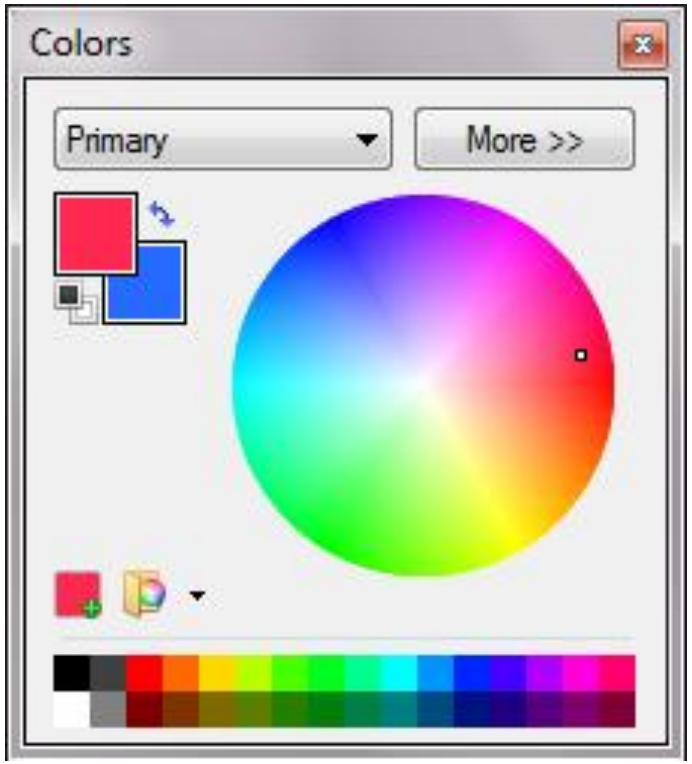
Secondary, right-hand mouse button



Colours

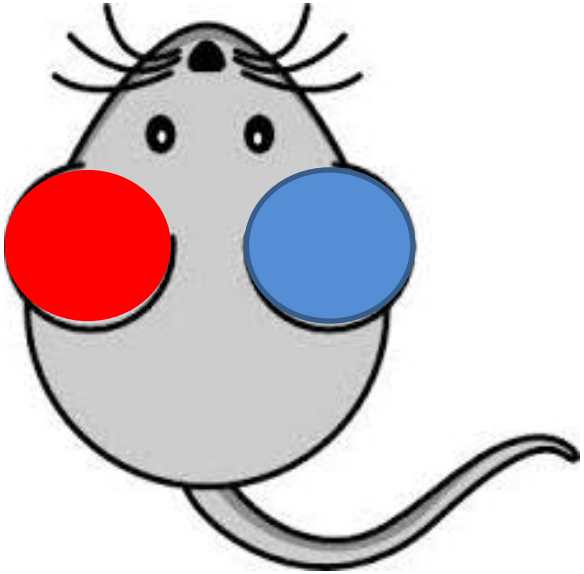
Primary Colour is set to RED

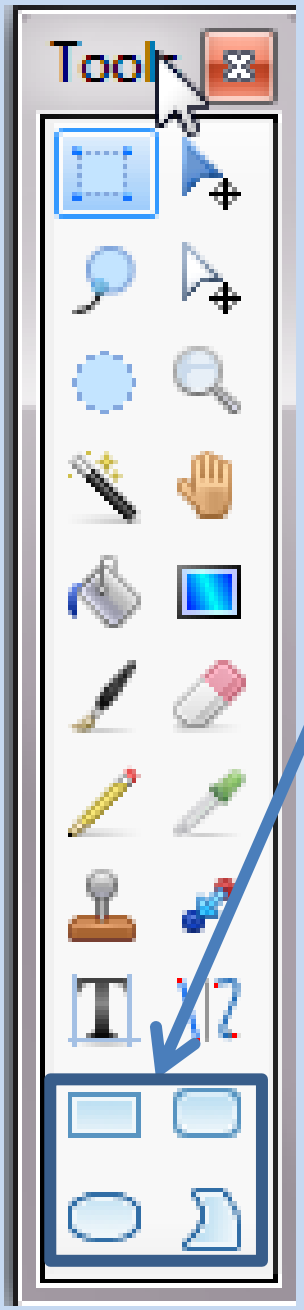
Secondary Colour is set to BLUE



Primary, left-hand mouse button

Secondary, right-hand mouse button





Geometric Shapes

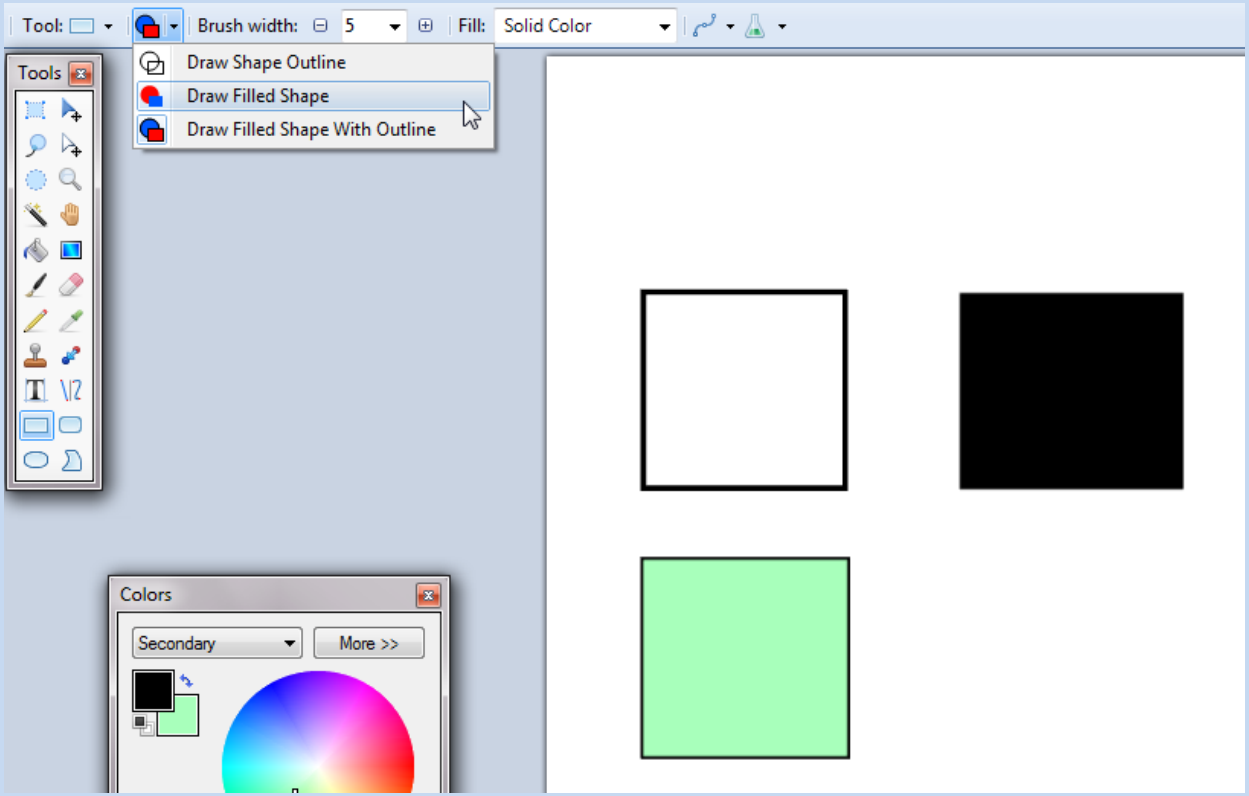
Rectangle
This can be used to draw rectangles and squares.

Rounded Rectangle
This can be used to draw rounded rectangles and rounded squares.

Ellipse
This can be used to draw ellipses and circles.

Freeform Shape
This can be used to draw a shape with a freeform outline.

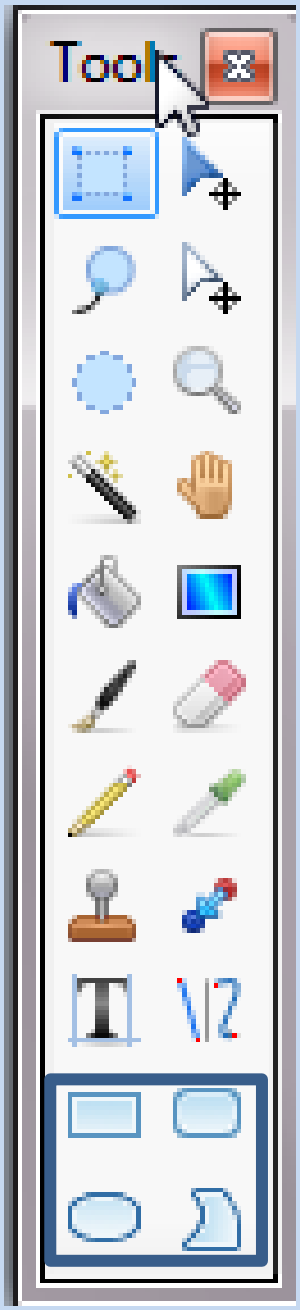
Rectangular/Squares

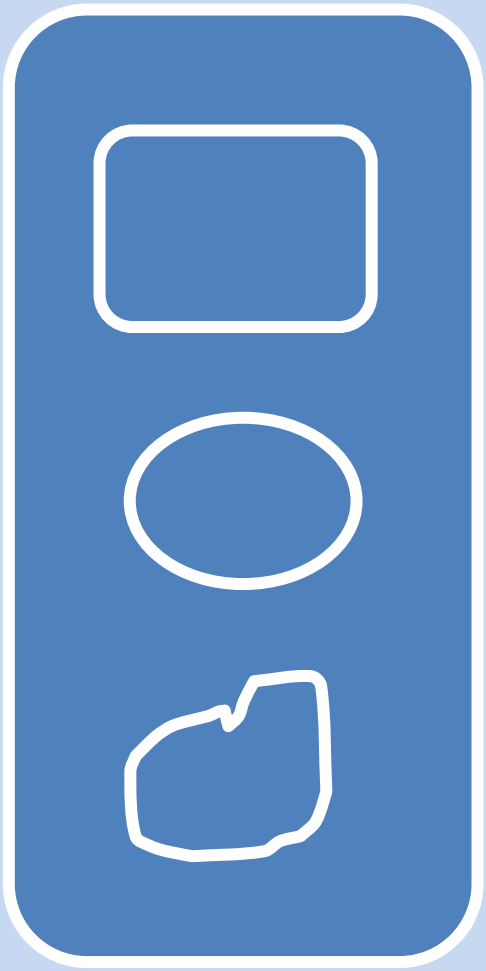


To draw , click and drag with the left mouse button.

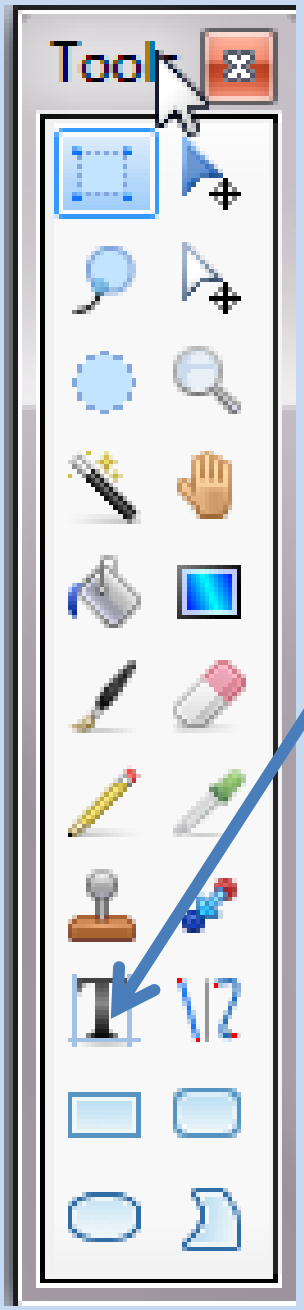
TIP

For the first three tools, you may hold down the Shift key to constrain the shape to be a square, rounded square, or a circle, respectively.



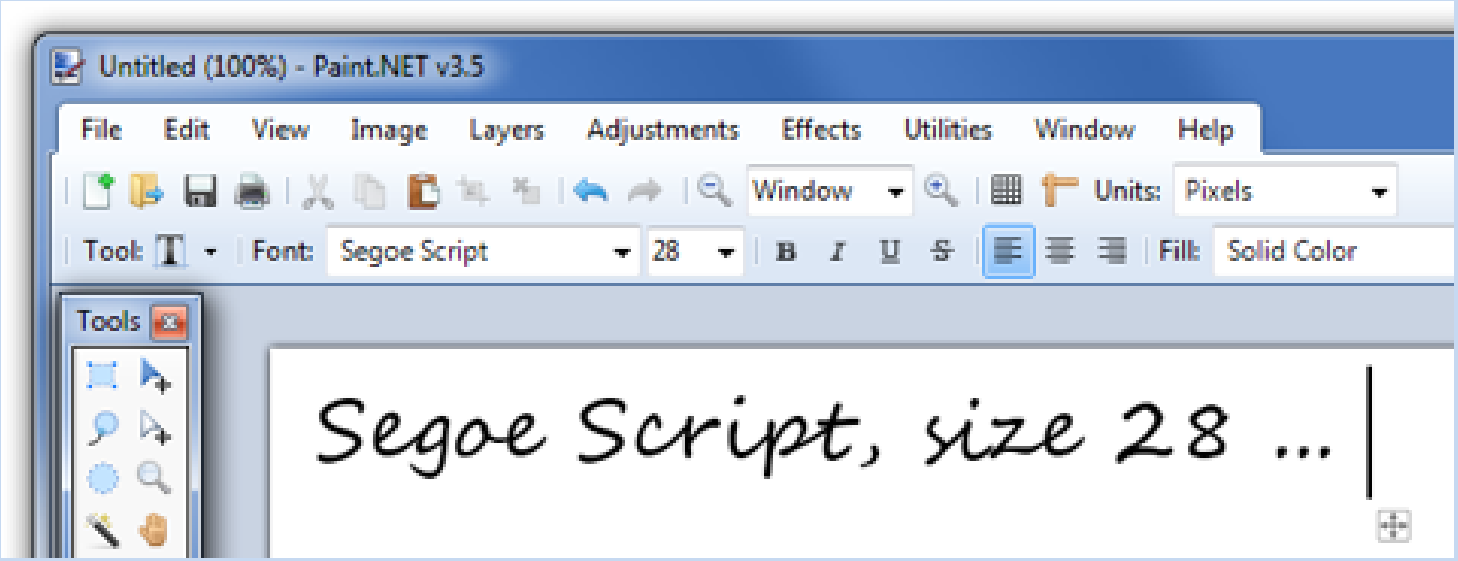


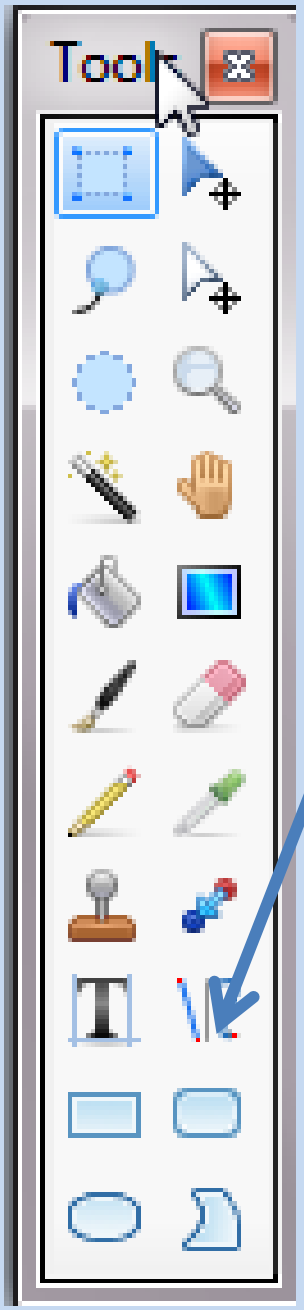
Same for the other Geometric Shapes



Text

This tool allows you to type text on to the current layer. While this tool is selected, you click on the canvas to place the text cursor. While this cursor is blinking you may type to insert text

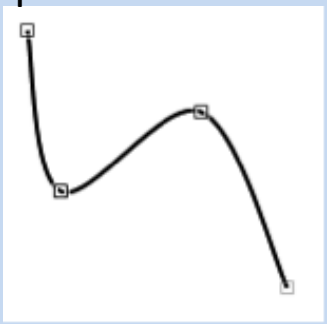




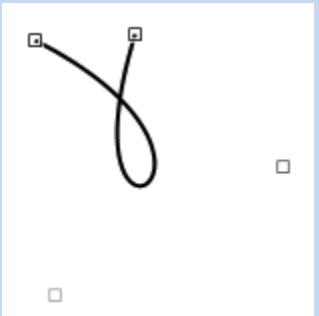
Line/Curve

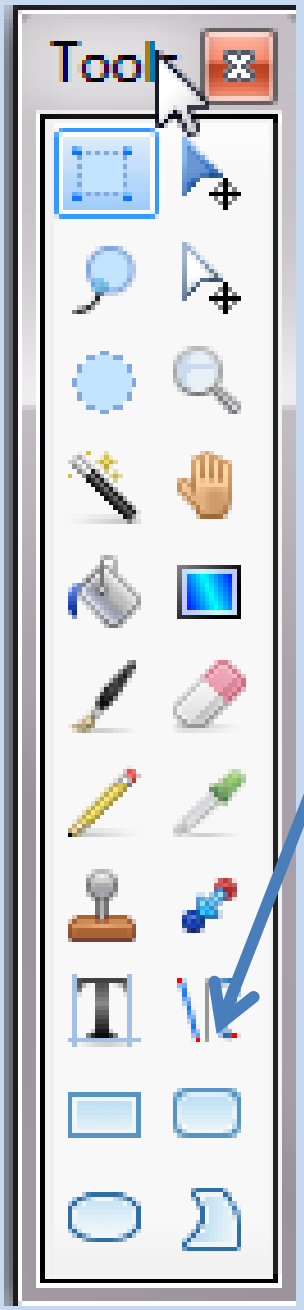
You may curve the line by dragging the nubs.
Use the left mouse button for dragging, then the line will be curved using cubic spline interpolation. The curve will be drawn such that it always goes through each point.
Use the right mouse button then you will draw what is known as a Bézier curve. The curve will not necessarily go through each point, but you will be able to draw curves that are not possible with the cubic spline method.

Spline Curve



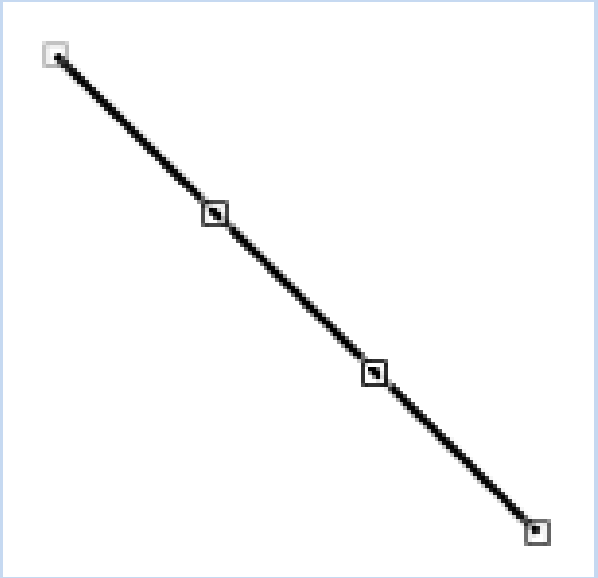
Bézier Curve

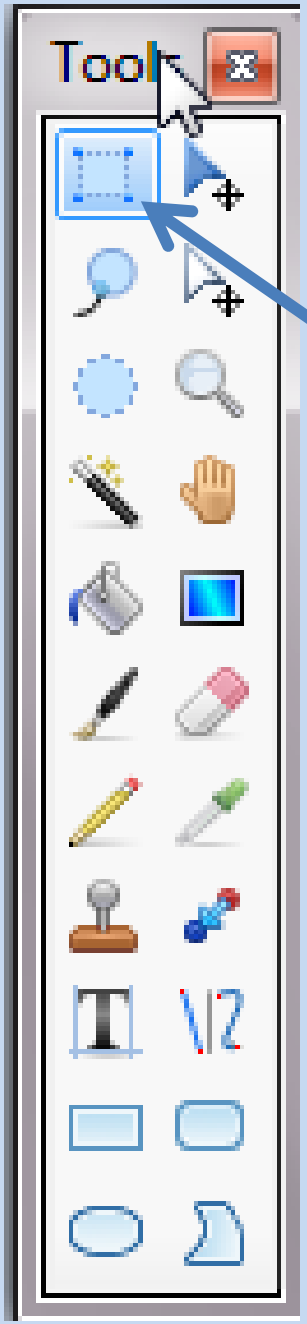




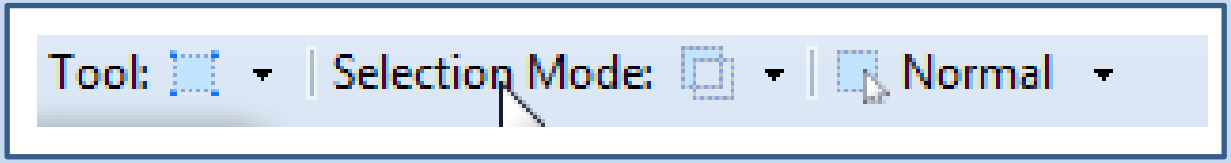
Line/Curve

Drawing a line is simple: click where you want the line to start and then drag over to the ending point and release the mouse button. You will see four handles, or nubs, appear on the line.





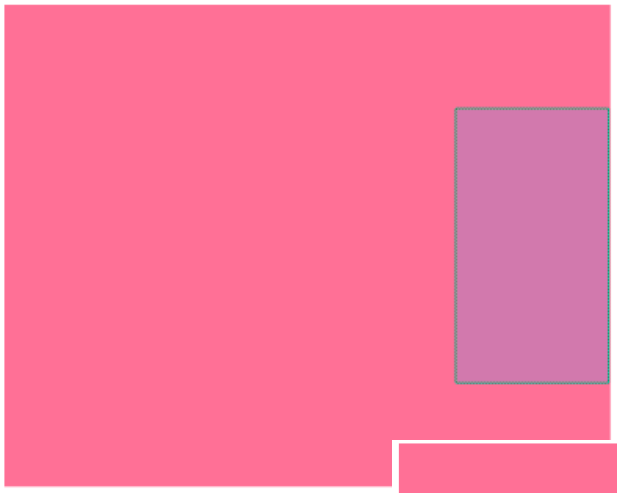
Rectangular Select



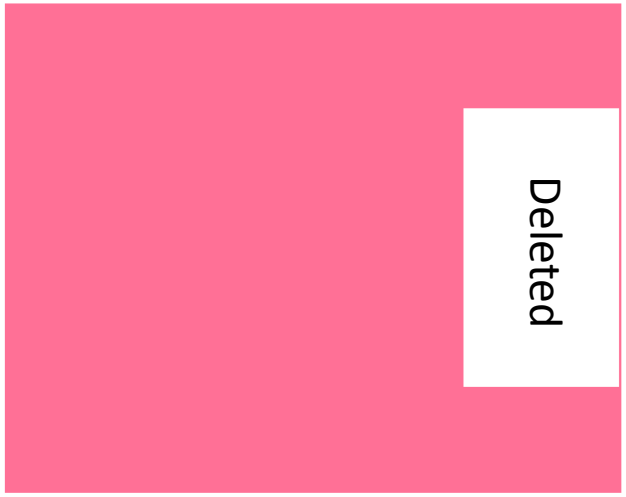
Shortcut Key – S

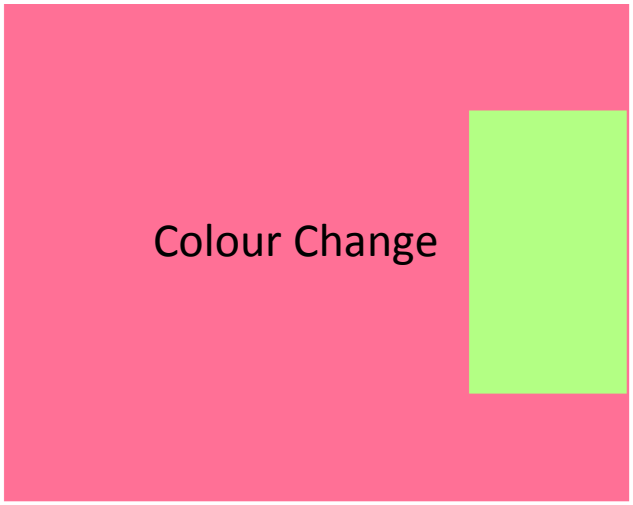
Will toggle through select options

Using – Rectangular Select

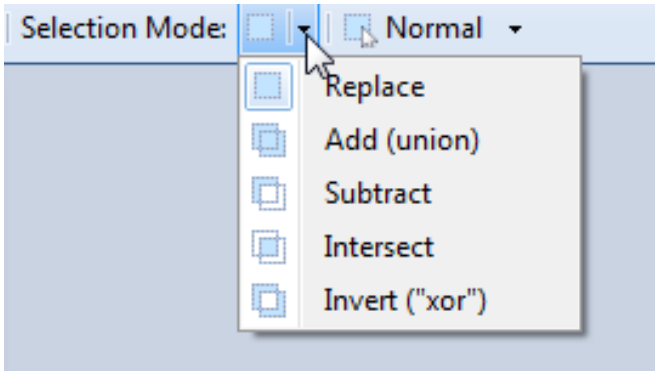


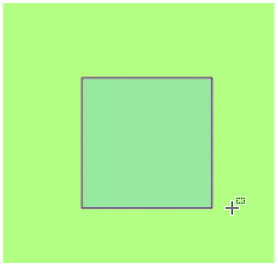
Once area is selected you can
then remove this section
ie. Delete or Change colour etc.



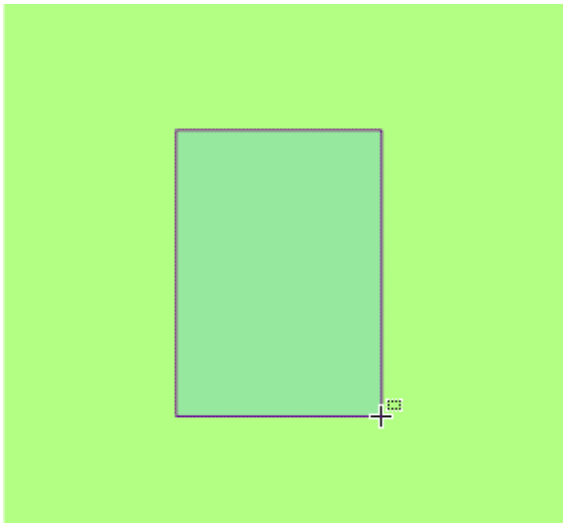


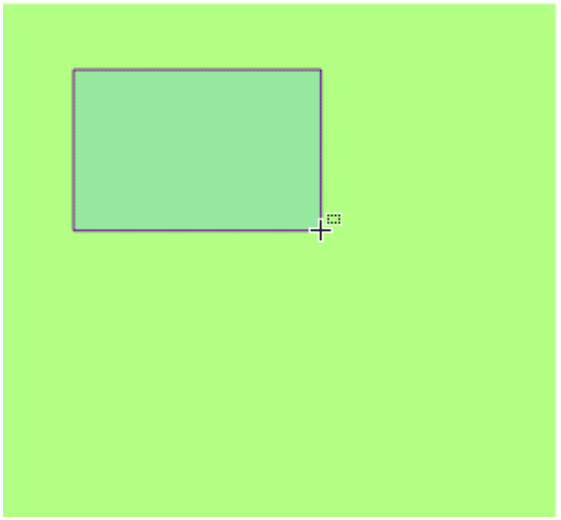
Selection Mode



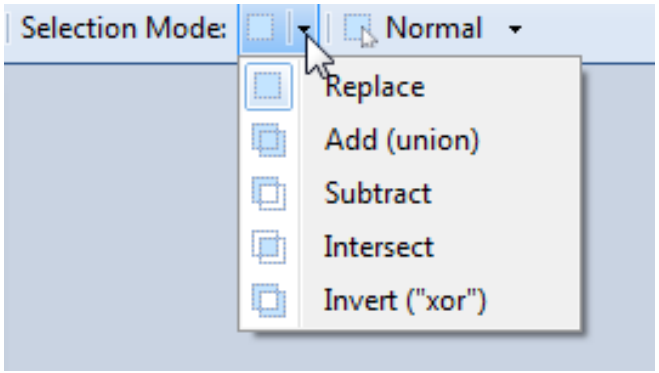


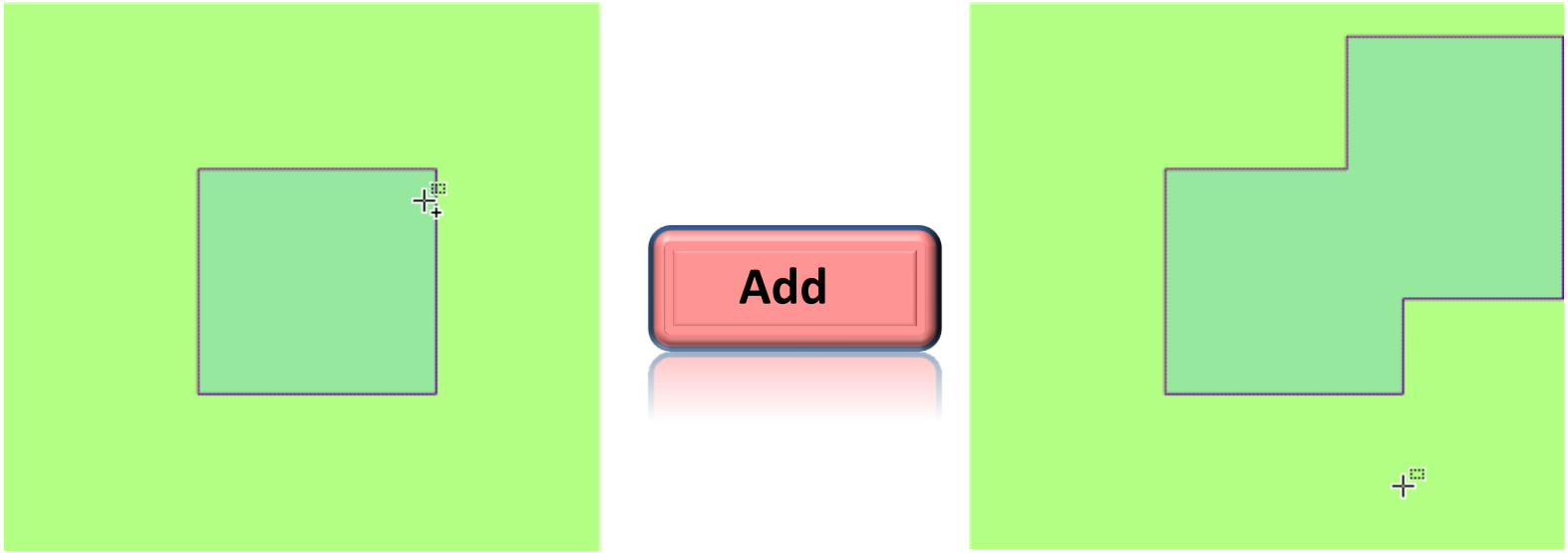
Hold down SHIFT KEY While selecting to force a square



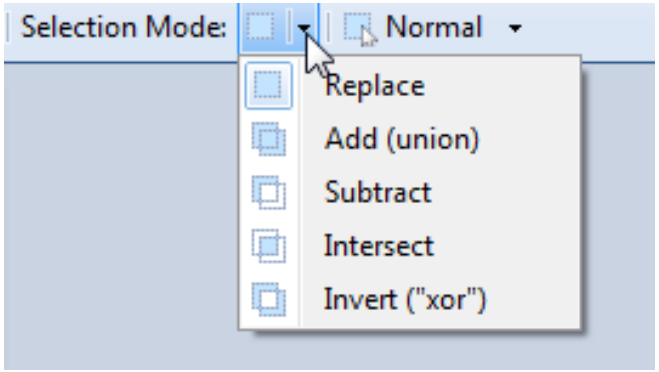


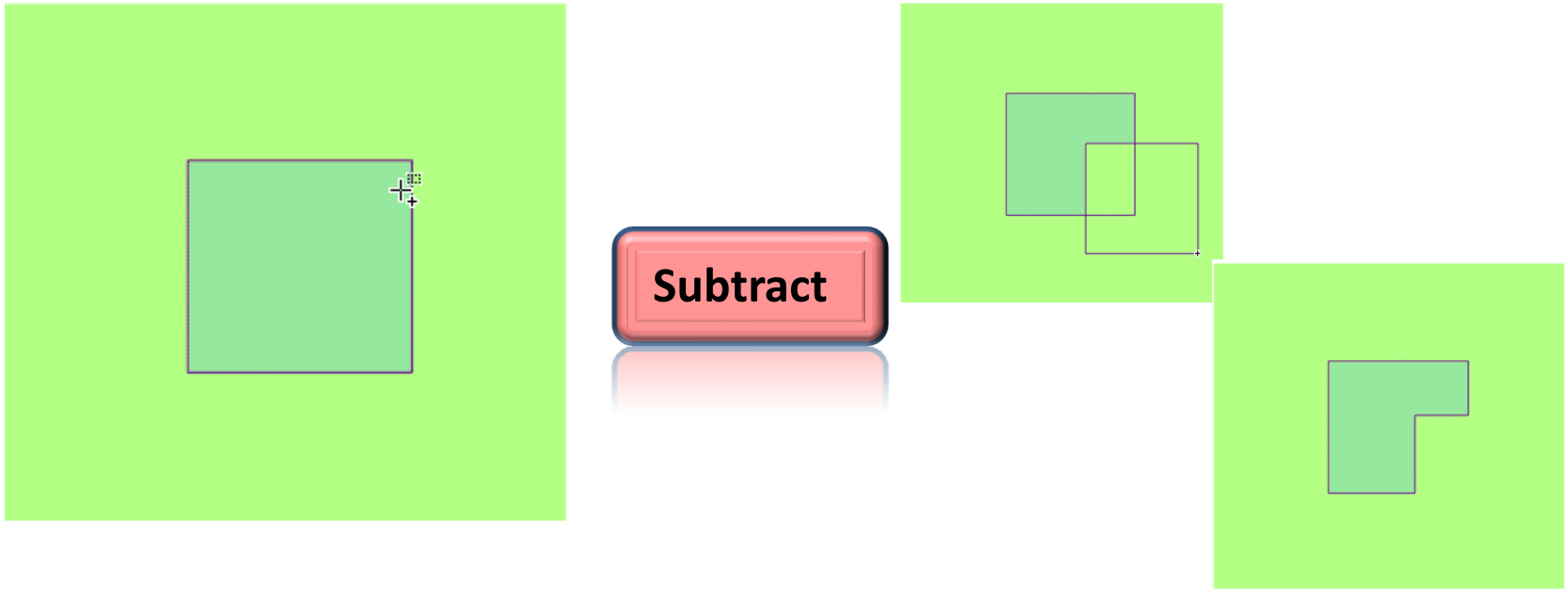
Selection Mode



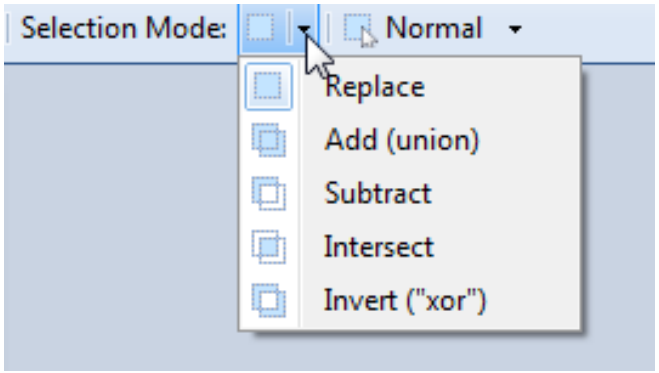


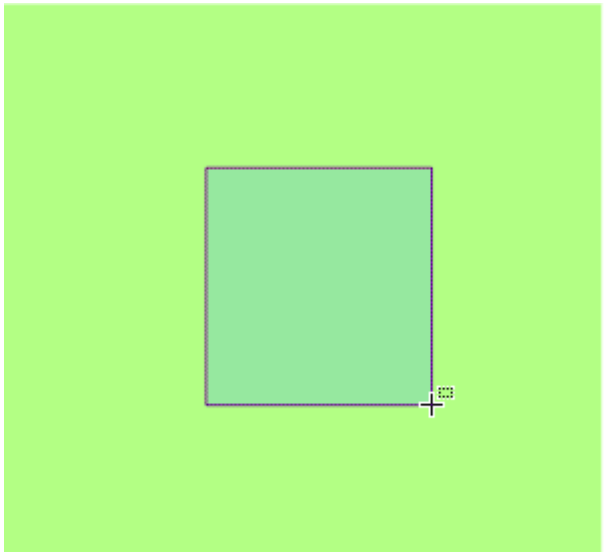
Selection Mode



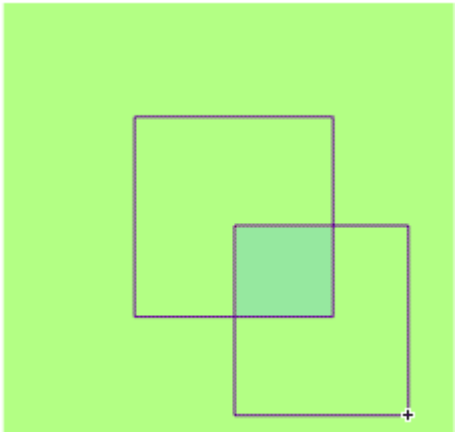


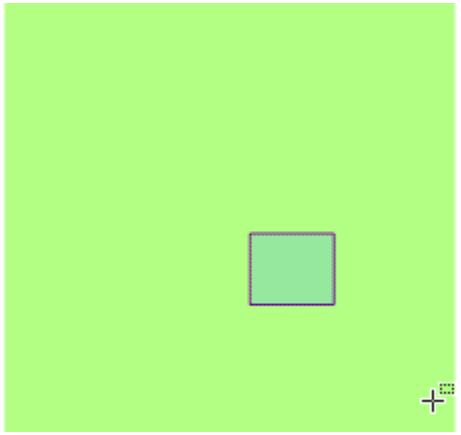
Selection Mode



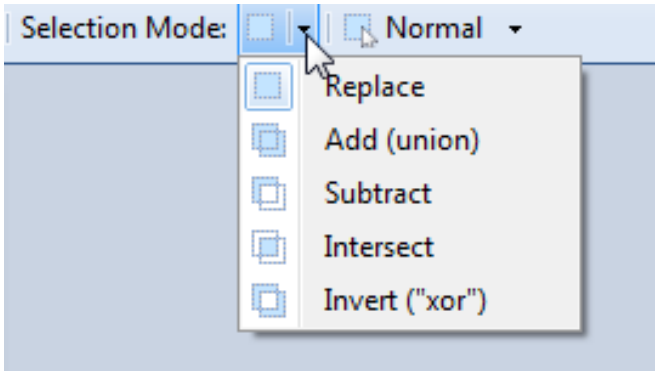


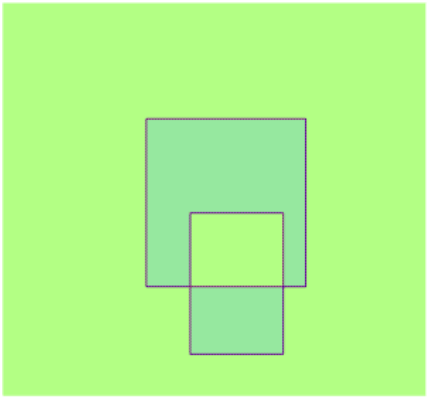
Intersect

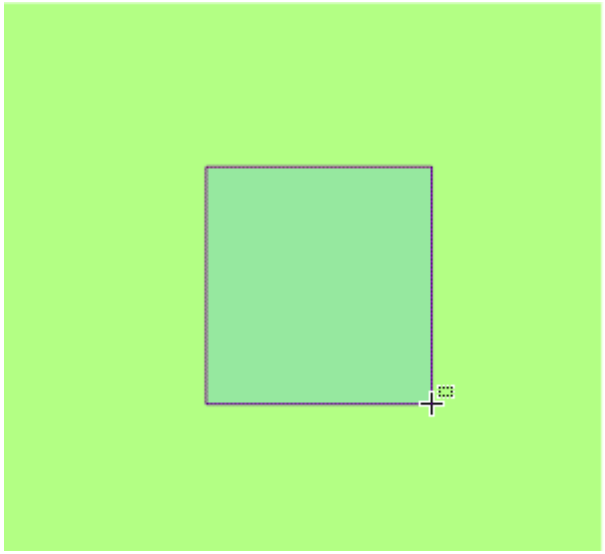




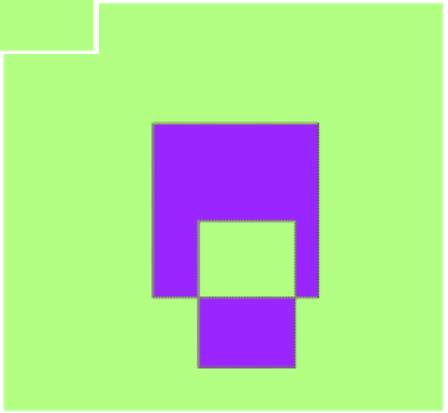
Selection Mode

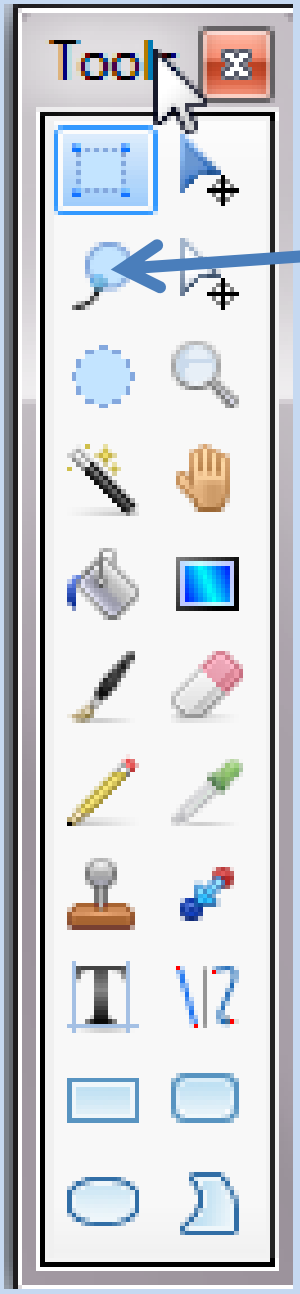




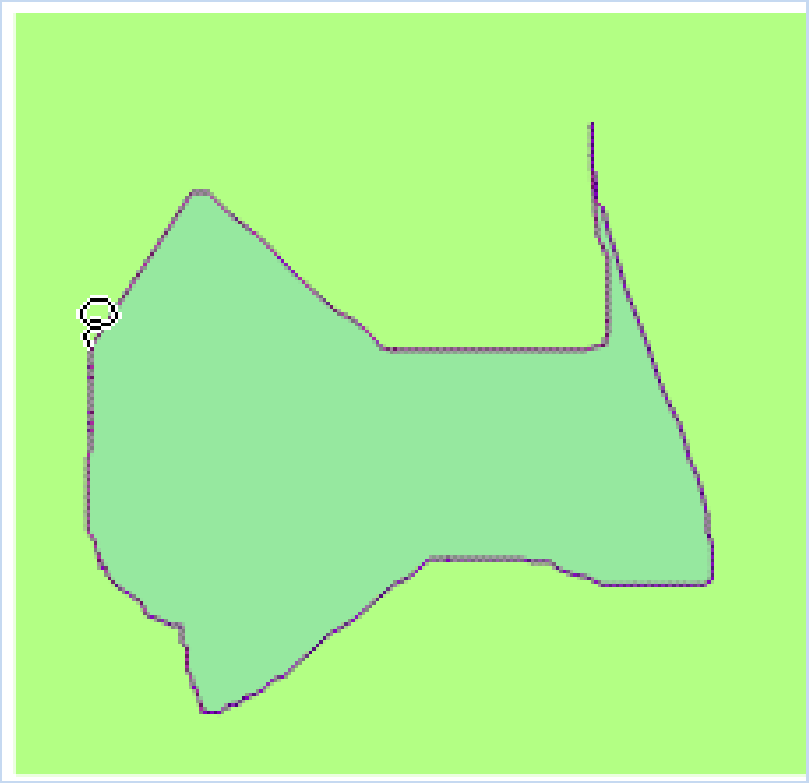


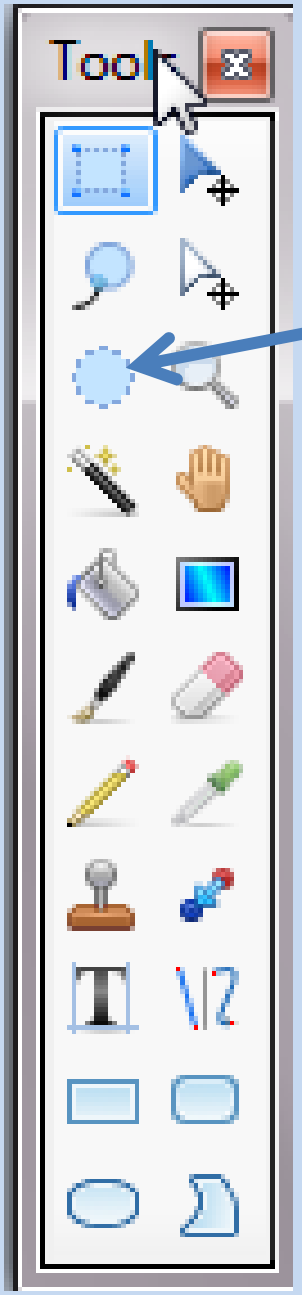
Invert



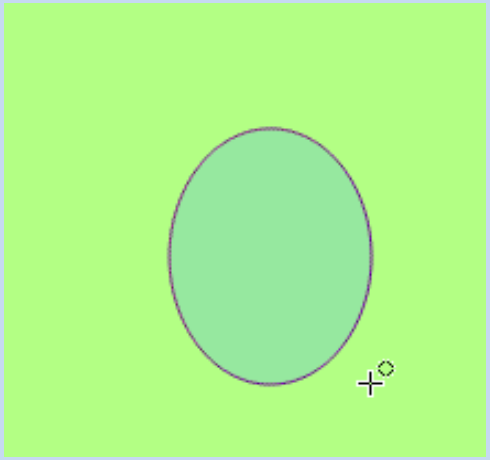


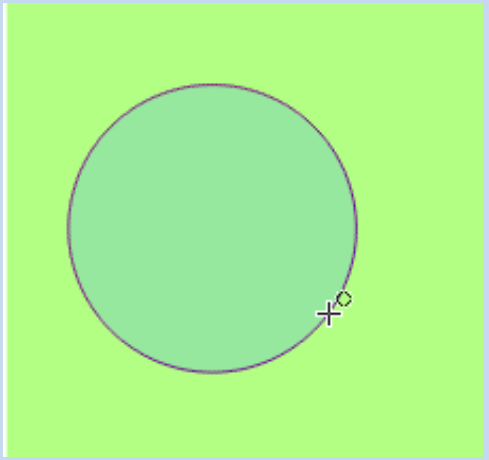
Lasso Select



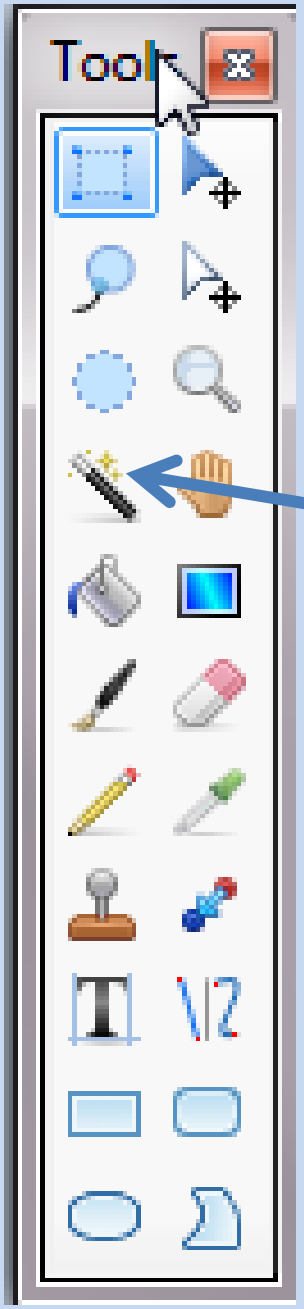


Ellipse Select

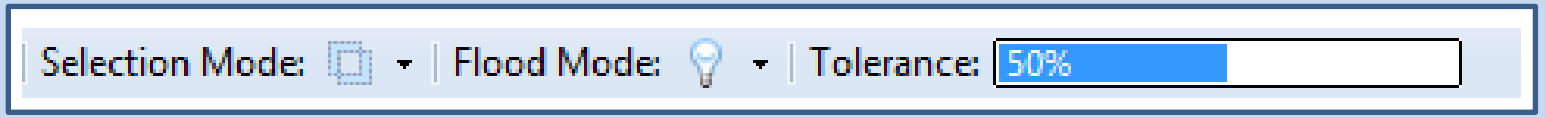




Hold down SHIFT KEY While selecting to force circle



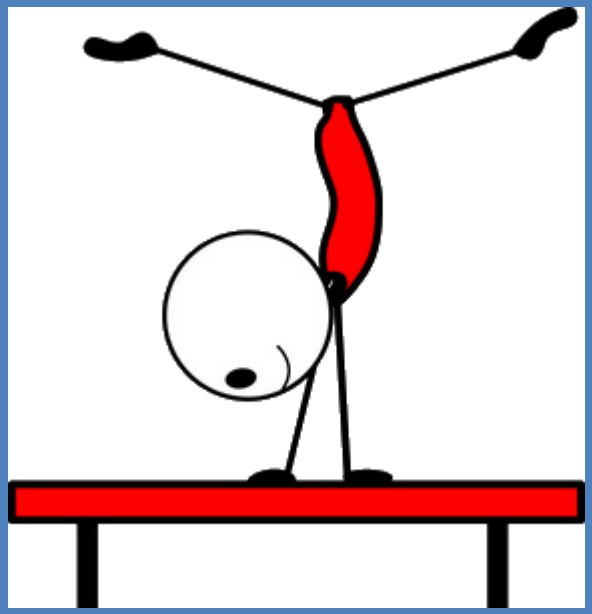
Magic Wand



Using – Magic Wand

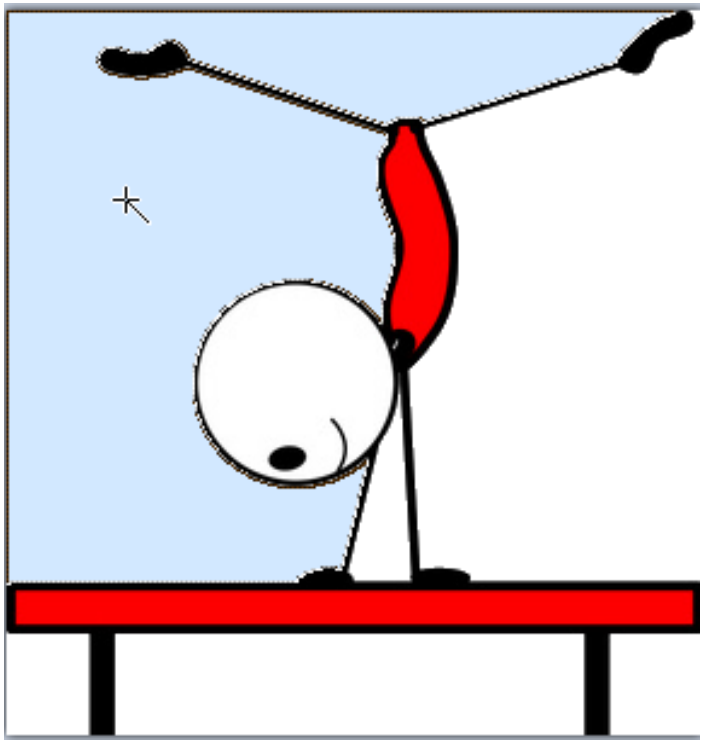
Example of why you might use it.

WITHOUT



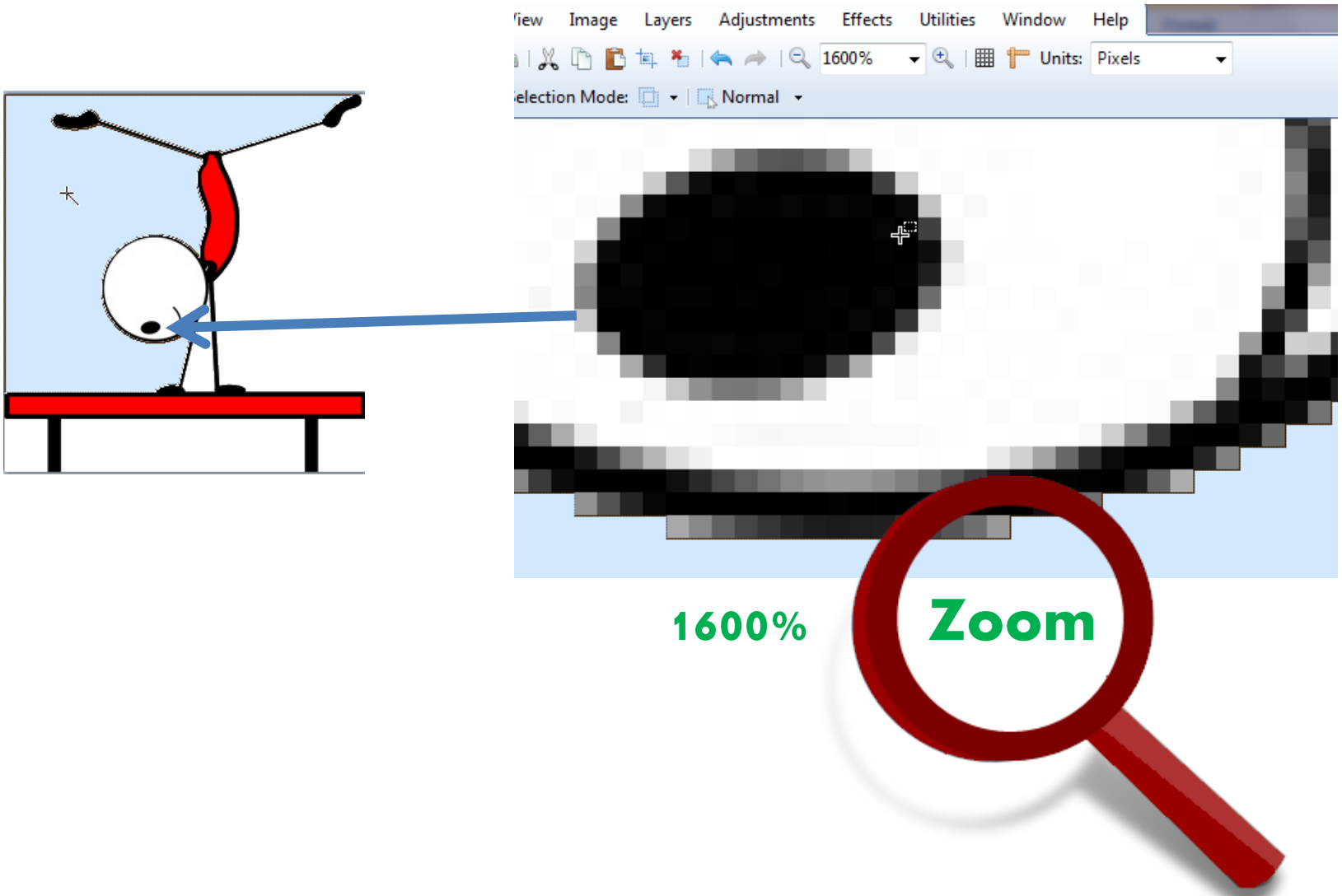
WITH

Using – Magic Wand

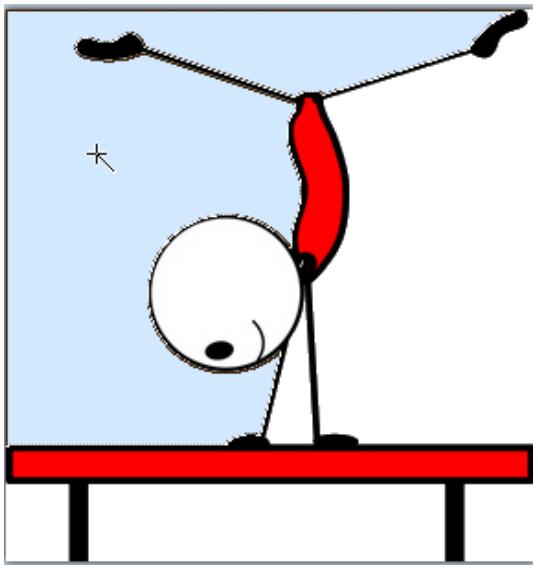


The Magic Wand tool creates a selection by using the tolerance setting to select pixels of a similar shade.

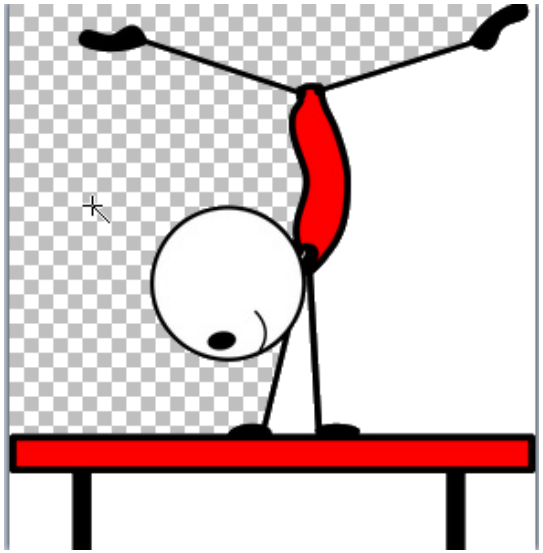
Using – Magic Wand



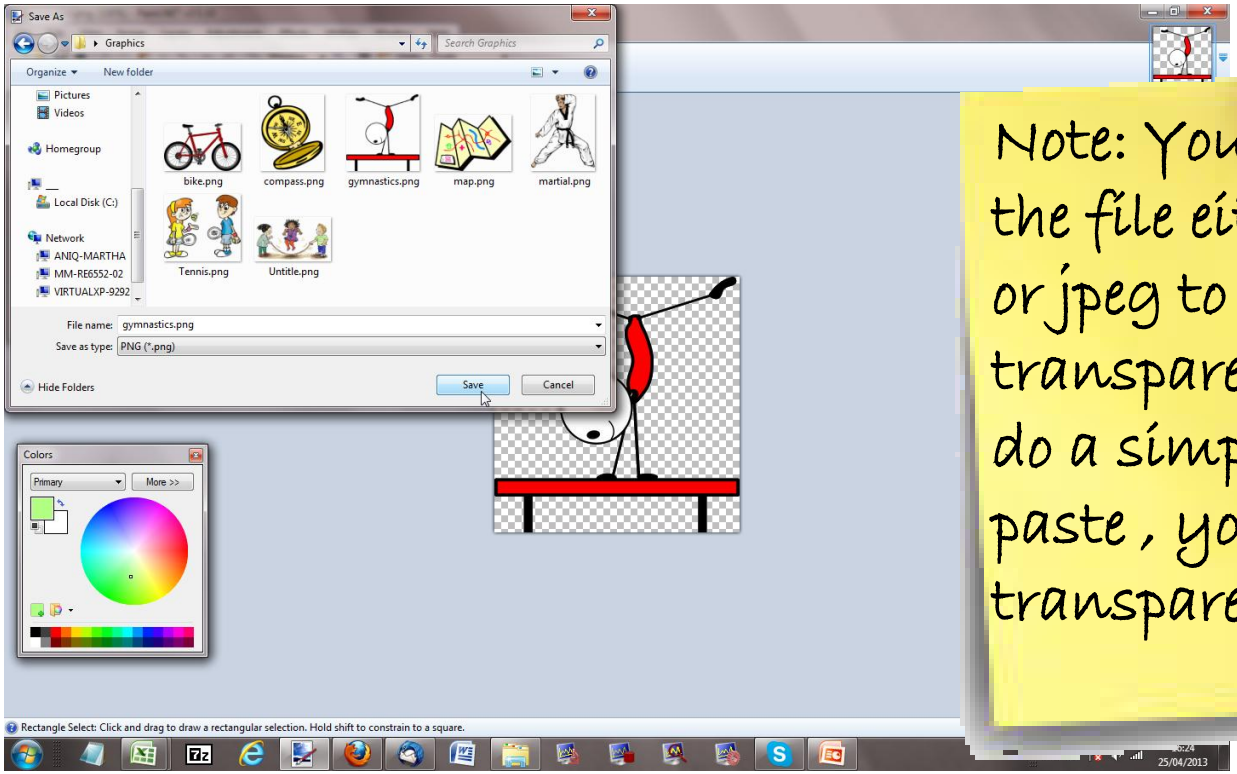
Using – Magic Wand



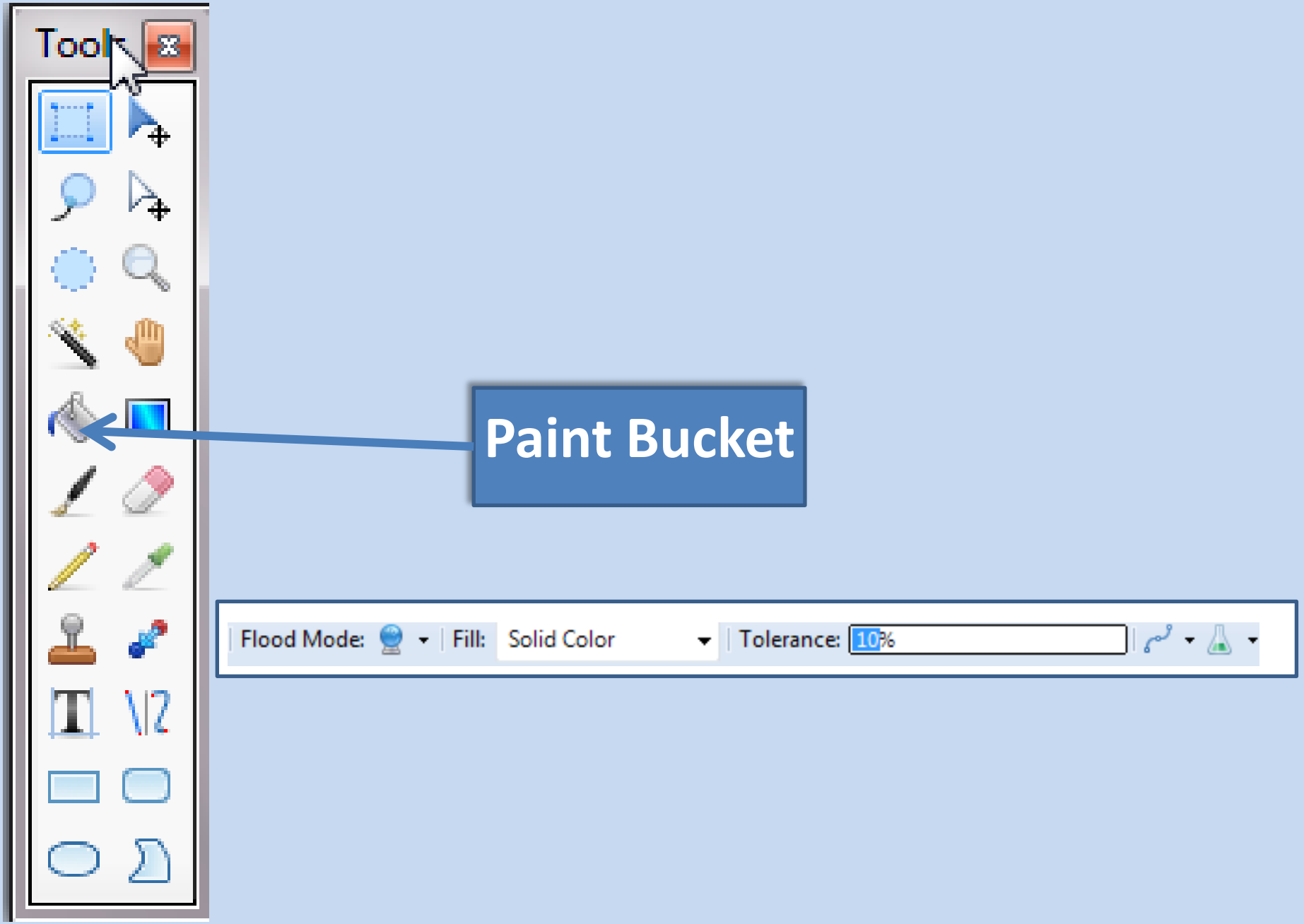
By deleting the selection we now make that area Transparent



Using – Magic Wand



Note: You must save the file either as a png or jpeg to retain the transparency, if you do a simple copy and paste , you will lose the transparency.


Tools
Paint Bucket
Flood Mode:
Fill:
Solid Color
Tolerance:
10%

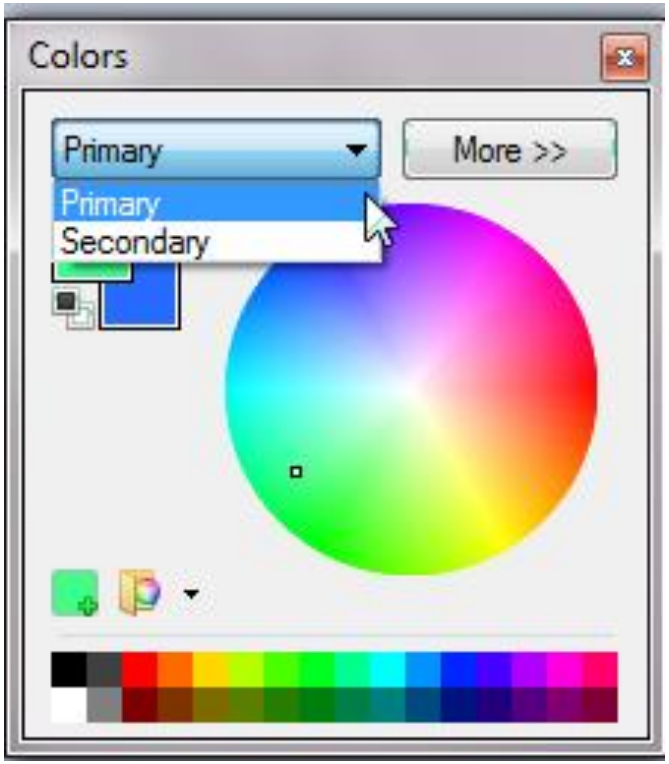
Using – Paint Bucket

This tool may be used to fill an area with a specific colour

The region that gets filled is defined as the area surrounding where you clicked that has a uniform colour.

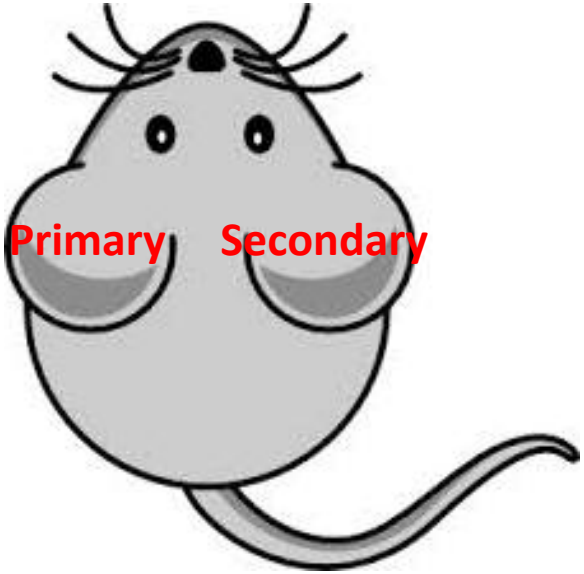
Using – Paint Bucket

Primary and Secondary Colours



Primary, left-hand mouse button

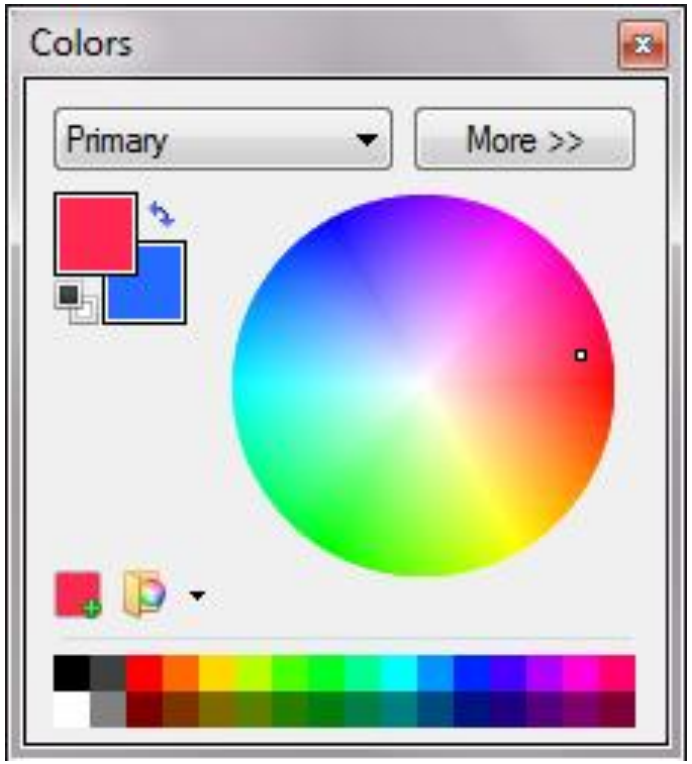
Secondary, right-hand mouse button



Using – Paint Bucket

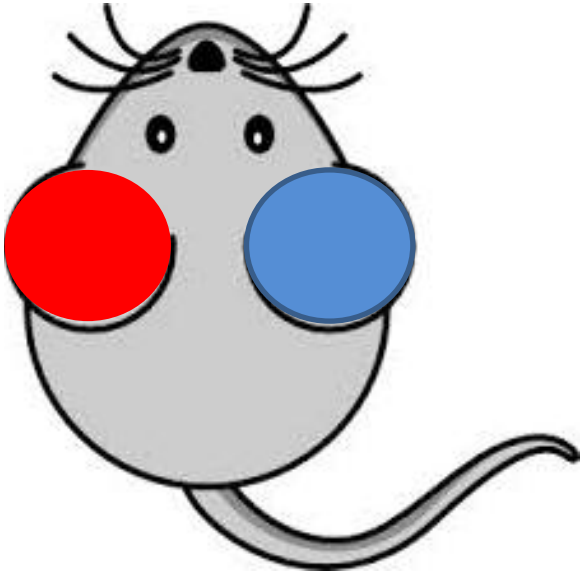
Primary Colour is set to RED

Secondary Colour is set to BLUE

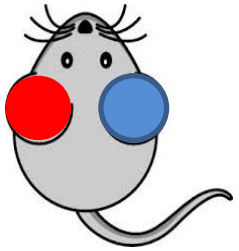


Primary, left-hand mouse button

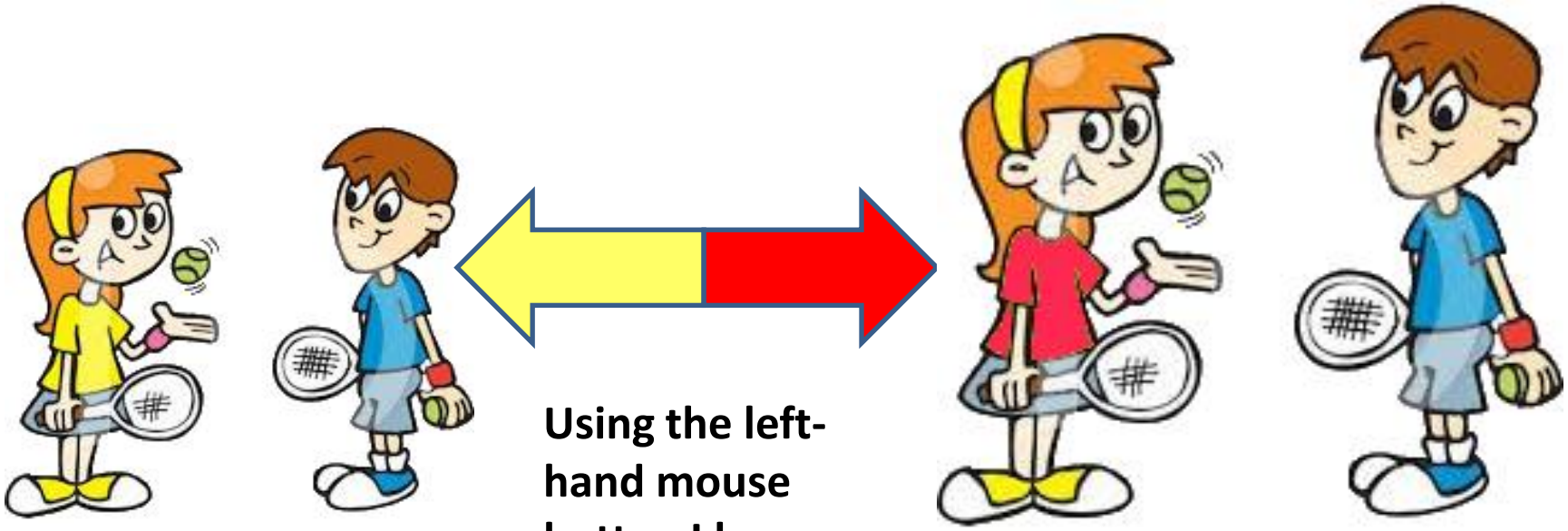
Secondary, right-hand mouse button



Using – Paint Bucket

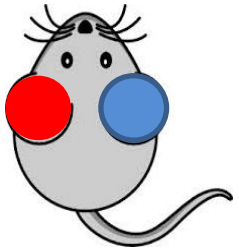


Example of where you might use it.

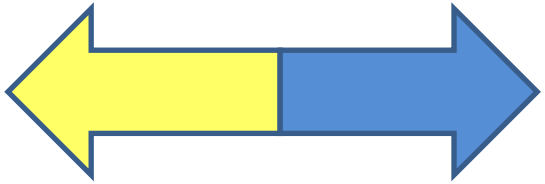


Using the left-hand mouse button I have changed the girl's shirt from Yellow to Red

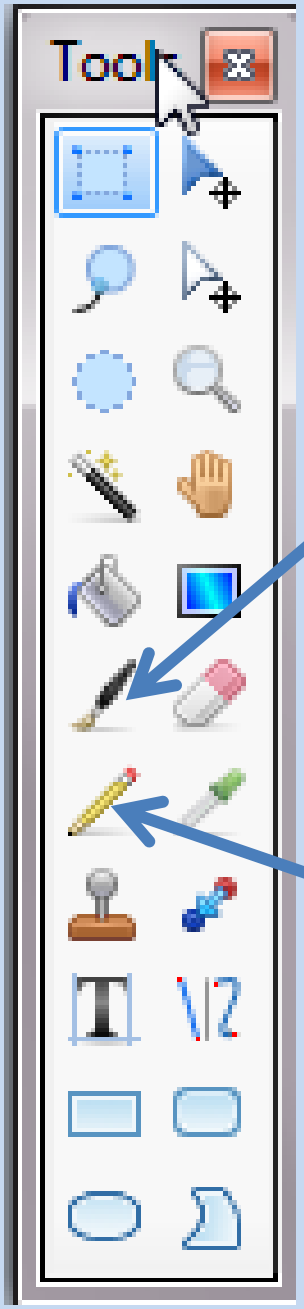
Using – Paint Bucket



Example of where you might use it.

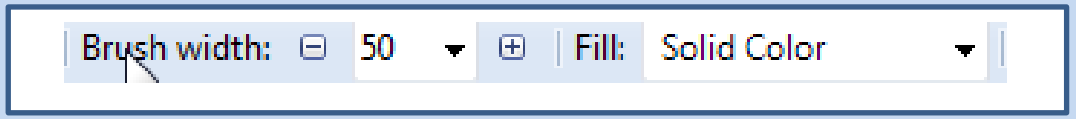


Using the right-hand mouse button I have changed the girls shirt/hairband and socks from yellow to Blue

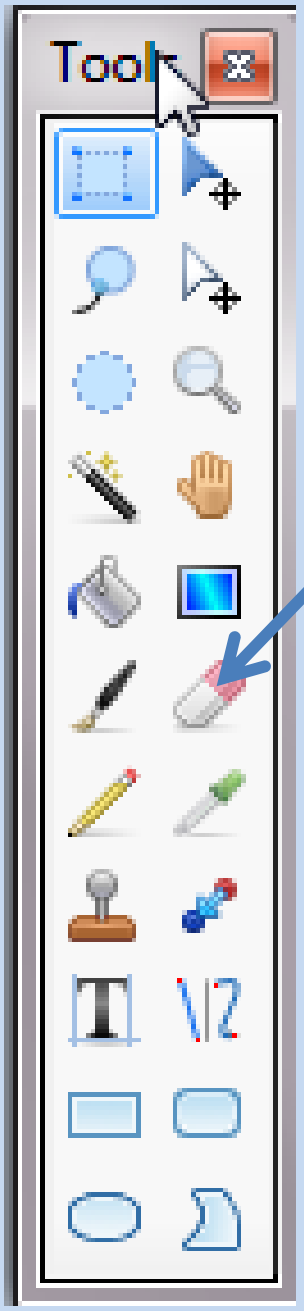


Paint Brush

To draw using this tool, simple left click and drag the mouse



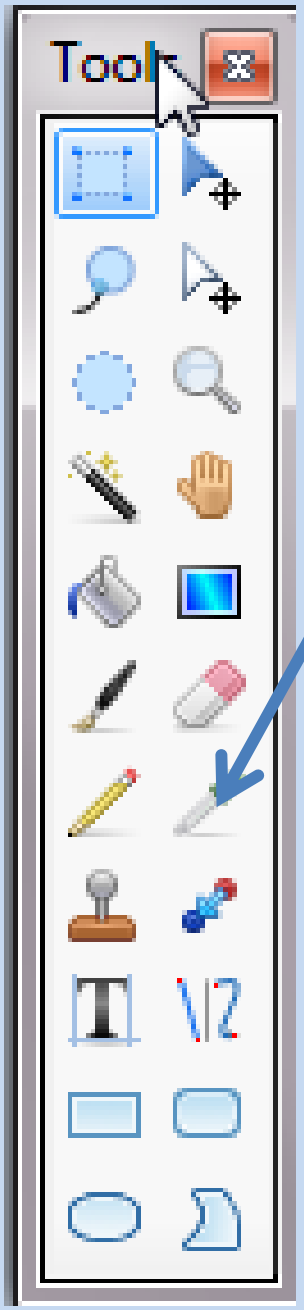
Pencil



Eraser

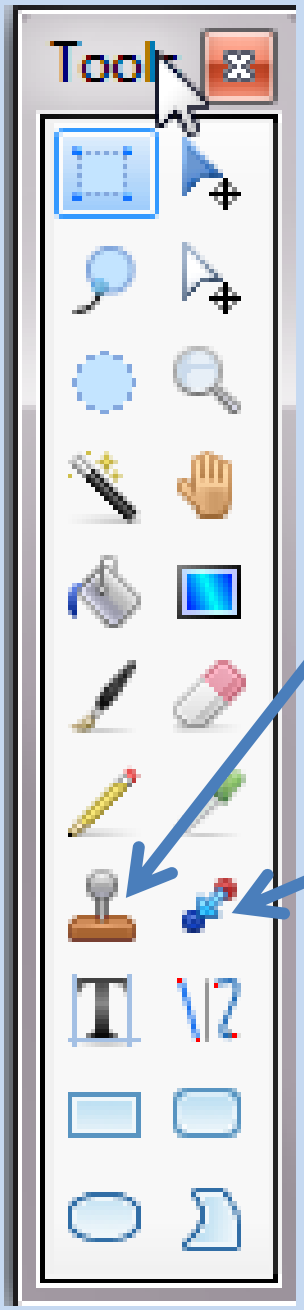
This tool is useful for erasing parts of the image.

Note, however, that it works by marking areas of a layer as being transparent



Picker /Dropper

The colour picker can be used to transfer the colour of the pixel at the mouse cursor's position to either the primary or the secondary colour. If you left click, the primary colour will be changed. Right clicking will change the secondary colour.

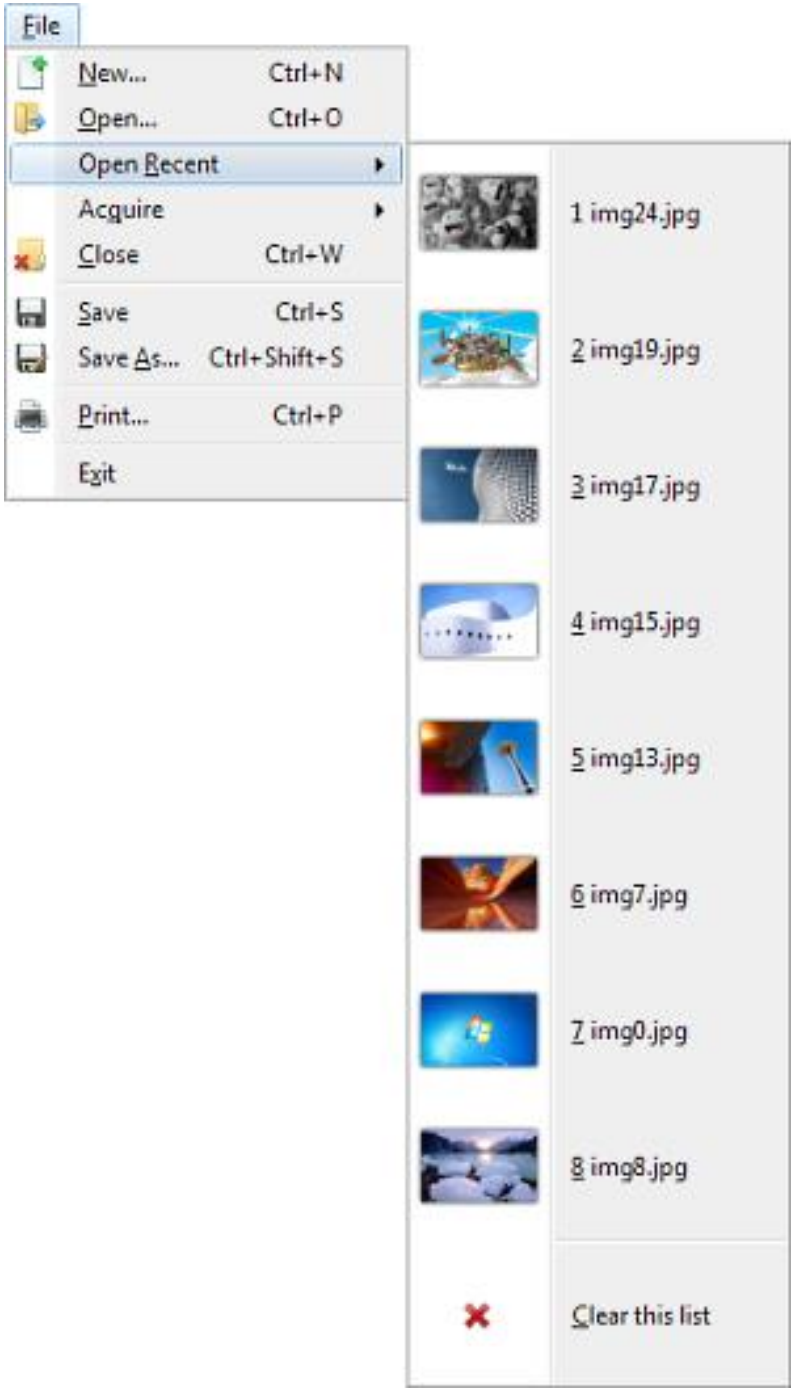


Clone Stamp

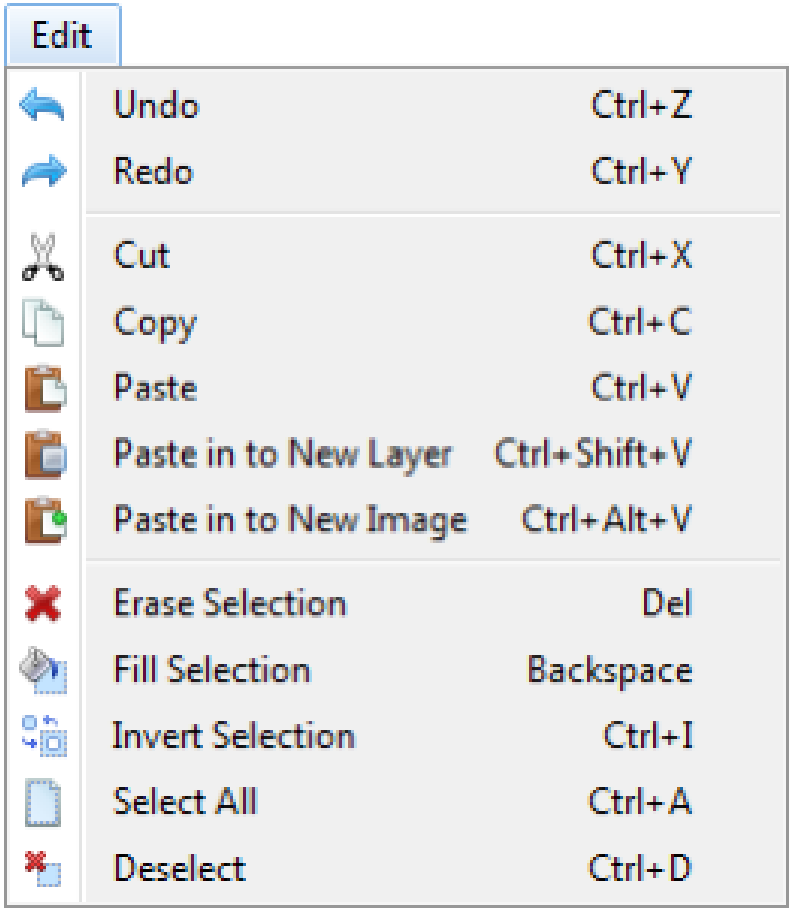
This tool is useful for copying regions of pixels

Recolour

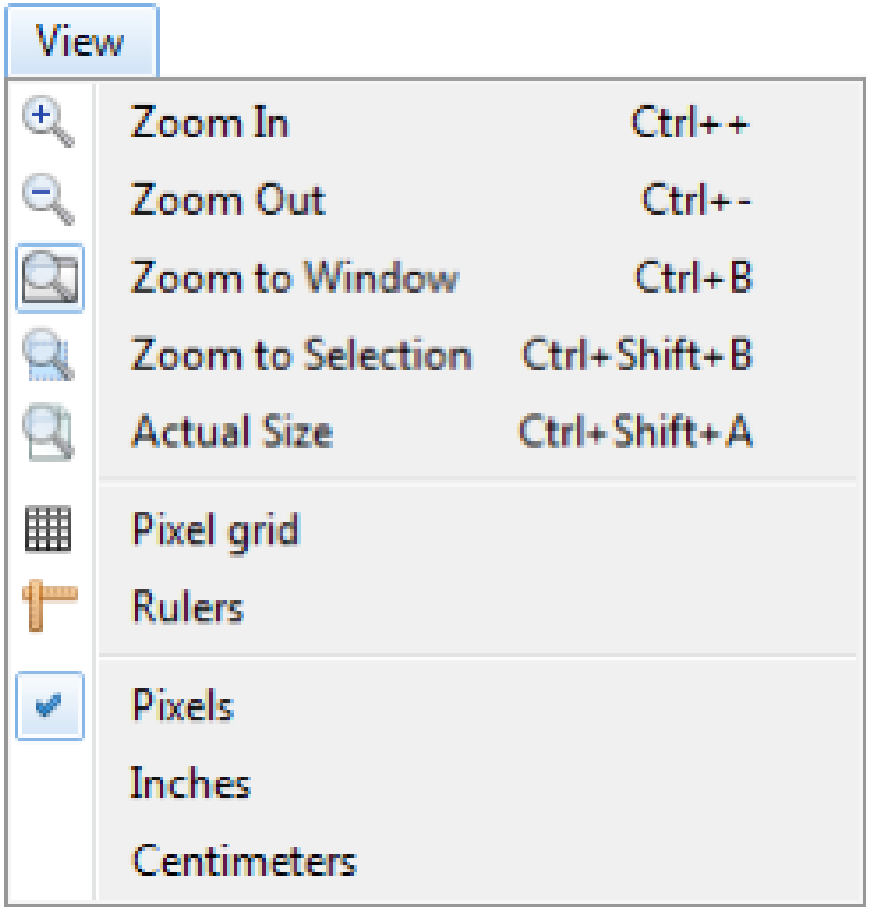
This tool is useful for replacing one colour with another. When re-colouring with the left mouse button, the primary colour signifies the replacement colour, and the secondary colour represents the colour to replace. If you use the right mouse button, these roles are reversed.


File
New... Ctrl+N
Open... Ctrl+O
Open Recent
Acquire
Close Ctrl+W
Save Ctrl+S
Save As... Ctrl+Shift+S
Print... Ctrl+P
Exit
1 img24.jpg
2 img19.jpg
3 img17.jpg
4 img15.jpg
5 img13.jpg
6 img7.jpg
7 img0.jpg
8 img8.jpg
Clear this list

File Menu


Edit
Undo Ctrl+Z
Redo Ctrl+Y
Cut Ctrl+X
Copy Ctrl+C
Paste Ctrl+V
Paste in to New Layer Ctrl+Shift+V
Paste in to New Image Ctrl+Alt+V
Erase Selection Del
Fill Selection Backspace
Invert Selection Ctrl+I
Select All Ctrl+A
Deselect Ctrl+D

Edit Menu


View
Zoom In Ctrl++
Zoom Out Ctrl+-
Zoom to Window Ctrl+B
Zoom to Selection Ctrl+Shift+B
Actual Size Ctrl+Shift+A
Pixel grid
Rulers
Pixels
Inches
Centimeters

View Menu

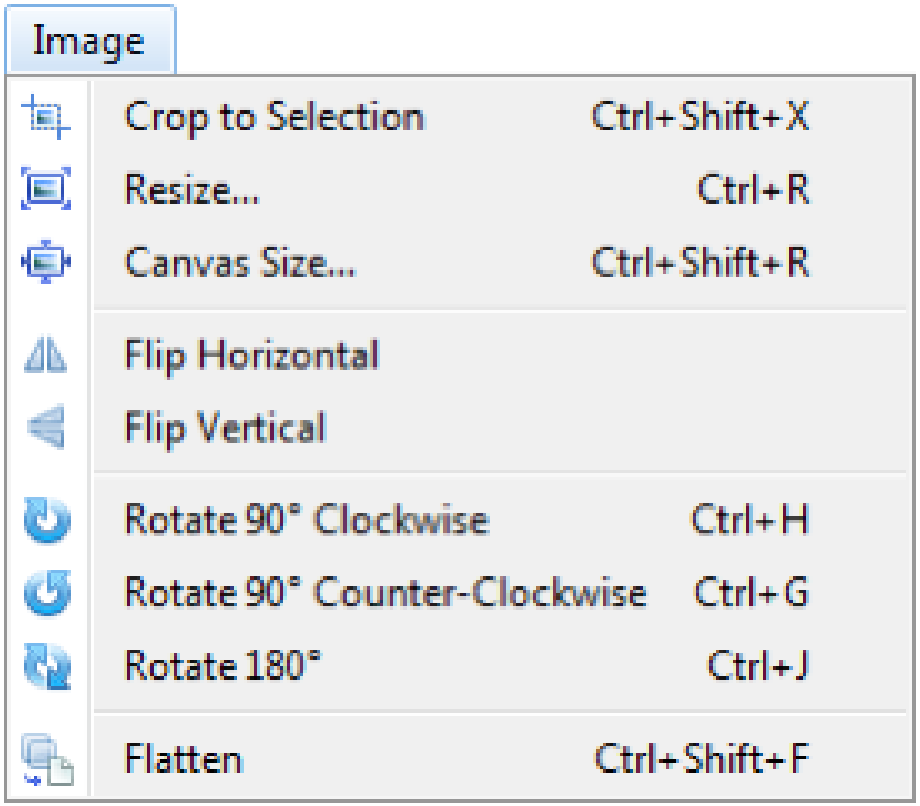
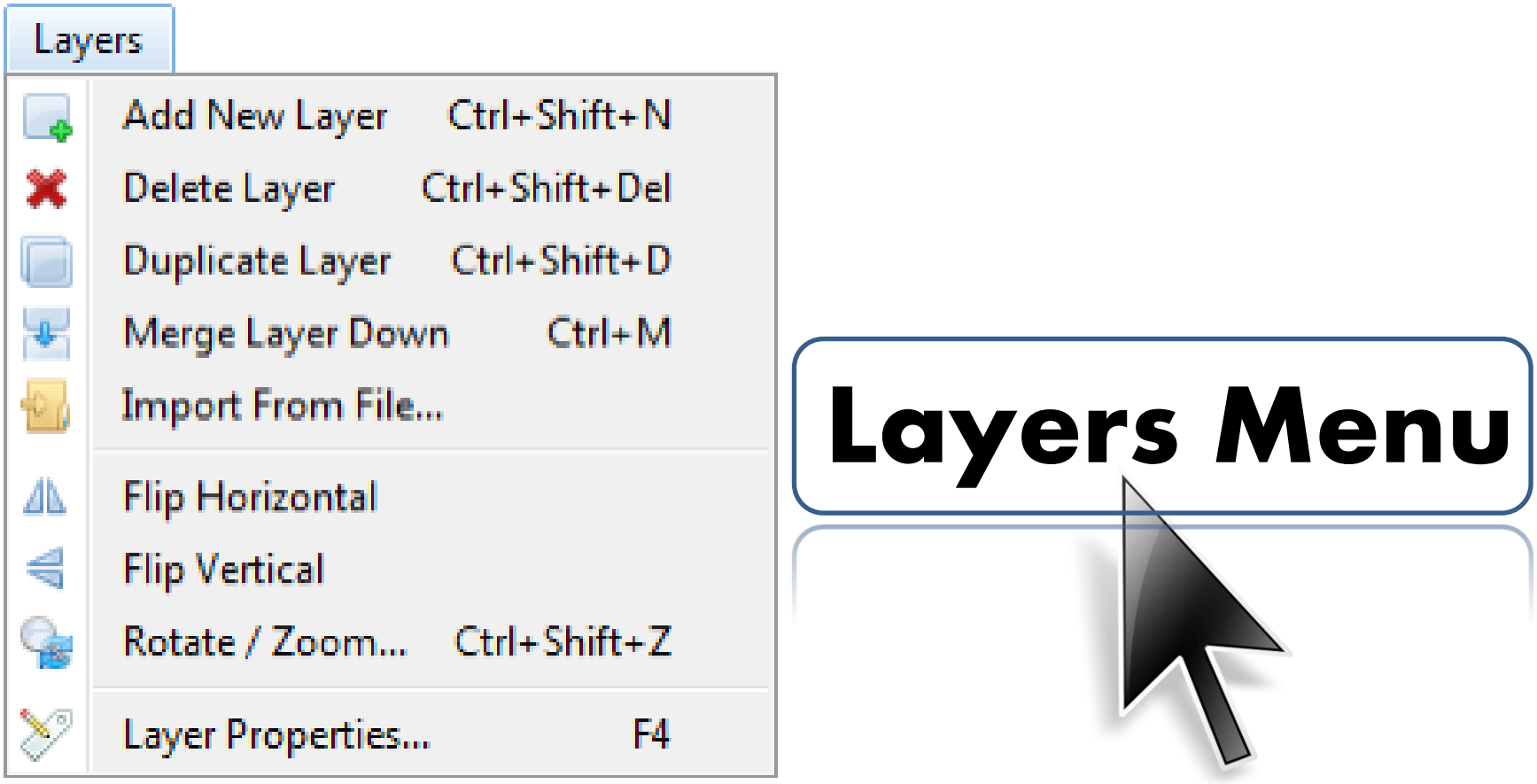
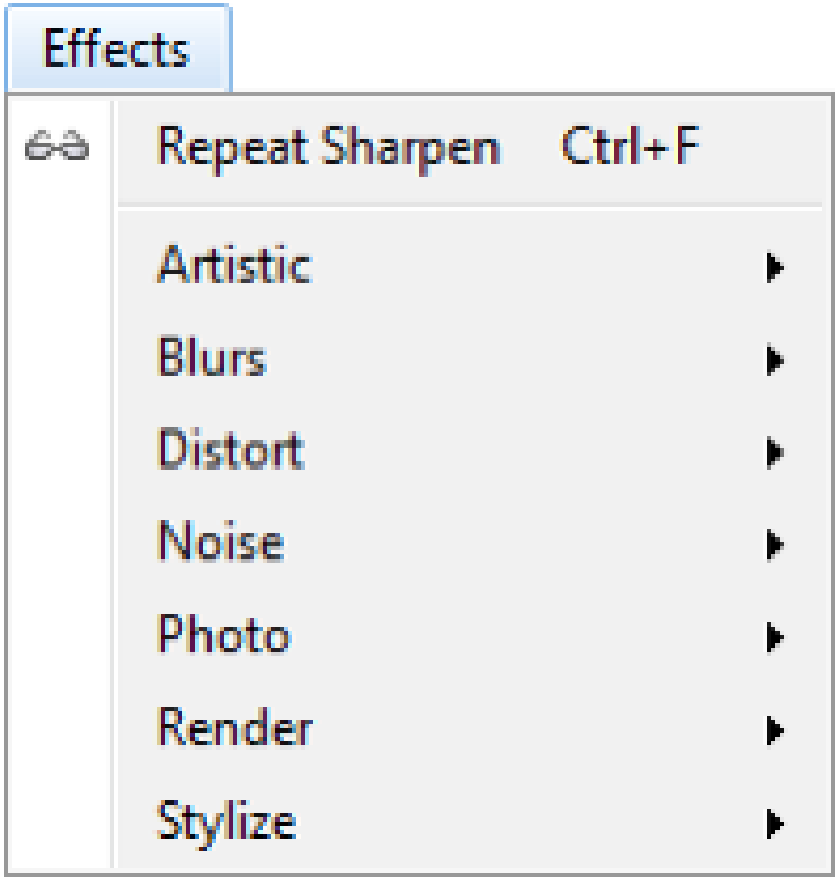


Image
Crop to Selection Ctrl+Shift+X
Resize... Ctrl+R
Canvas Size... Ctrl+Shift+R
Flip Horizontal
Flip Vertical
Rotate 90° Clockwise Ctrl+H
Rotate 90° Counter-Clockwise Ctrl+G
Rotate 180° Ctrl+J
Flatten Ctrl+Shift+F

Image Menu


Layers
Add New Layer Ctrl+Shift+N
Delete Layer Ctrl+Shift+Del
Duplicate Layer Ctrl+Shift+D
Merge Layer Down Ctrl+M
Import From File...
Flip Horizontal
Flip Vertical
Rotate / Zoom... Ctrl+Shift+Z
Layer Properties... F4
Layers Menu

Adjustments Menu



Effects Menu

Hope you enjoyed

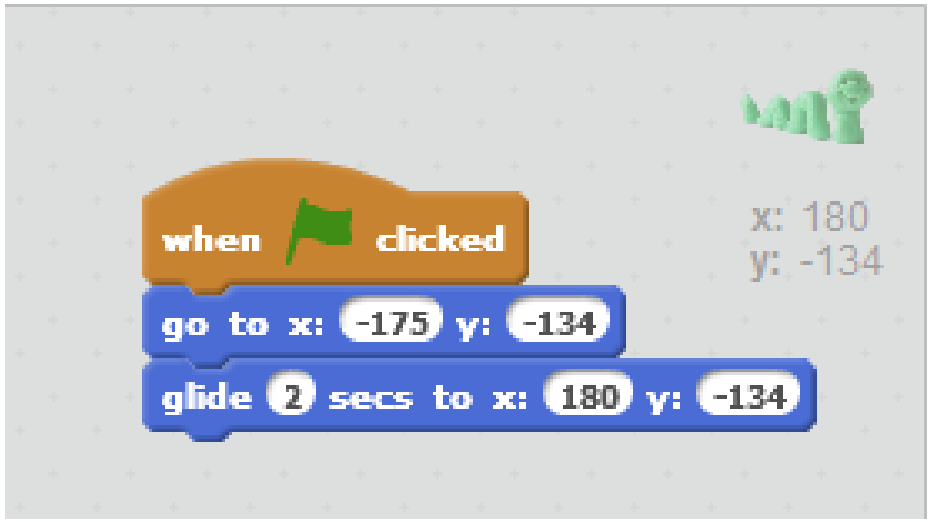
Now try it out yourselves

The next couple of weeks..

30th November

The next couple of weeks..

7th December



14th December

Athenry

Dust off your Christmas Jumpers & Santa Hats!