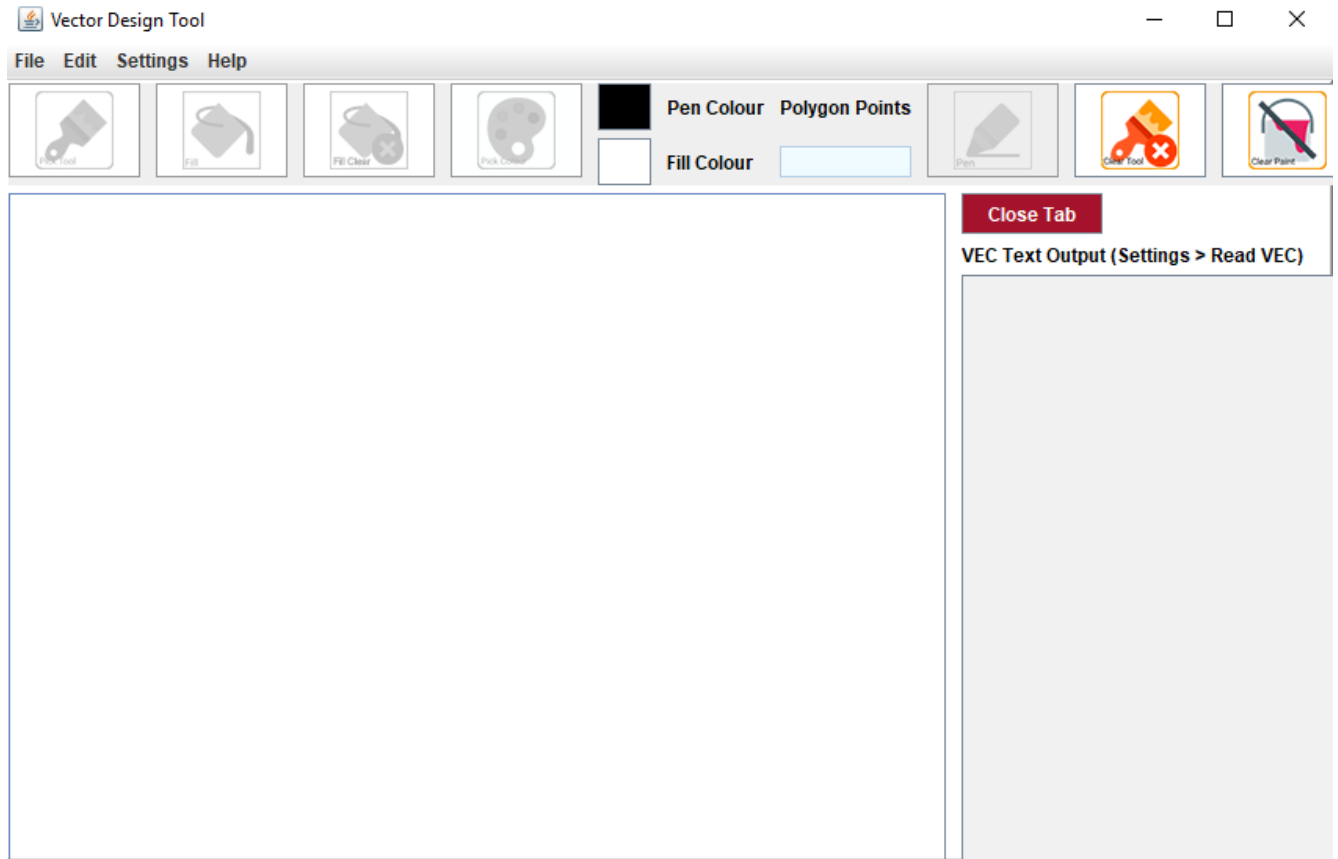


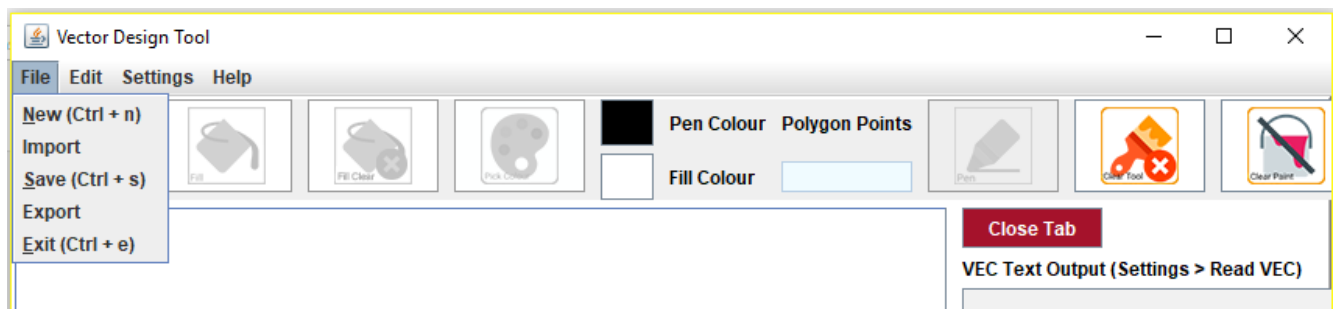
SOFTWARE USER MANUAL

Basic Screen



The initial screen starts as above. As can be seen, most of the basic buttons are currently greyed out as there is no working tab yet.

File



First, we open the various selections in File. New (hotkey 'Ctrl + N') will create a new blank drawing area for use. Import takes in a VEC file and draws the listed coordinates on the screen in a new tab. Save (hotkey

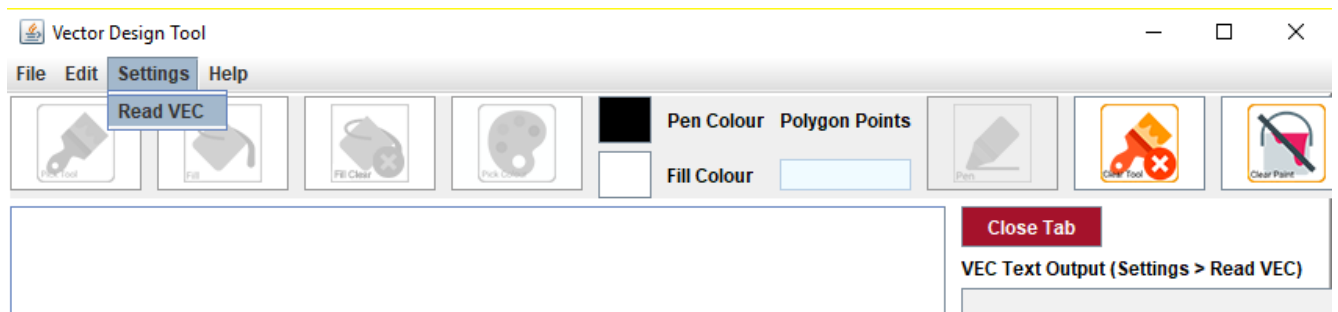
'Ctrl + S') creates a new file in the designated folder that lists the coordinates of the plotted details on the current tab. The export will create a BMP image of the plotted details on the current tab. Finally, Exit (hotkey 'Ctrl + E') closes the program.

Edit



The features of Edit are to do with an active tab. Undo (Ctrl + Z) removes the last action done in the drawing area. This will not affect any colour changes or tool changes; only what has been drawn on the screen. Redo (Ctrl + Y) puts back the last action done on the drawing area and does not affect colour or tool changes similar to Undo. Zoom In and Zoom Out, respectively, both make the image larger or smaller for better viewing.

Settings



Read VEC under settings will show the user the current Plots on the screen in the VEC Text Output sidebar.

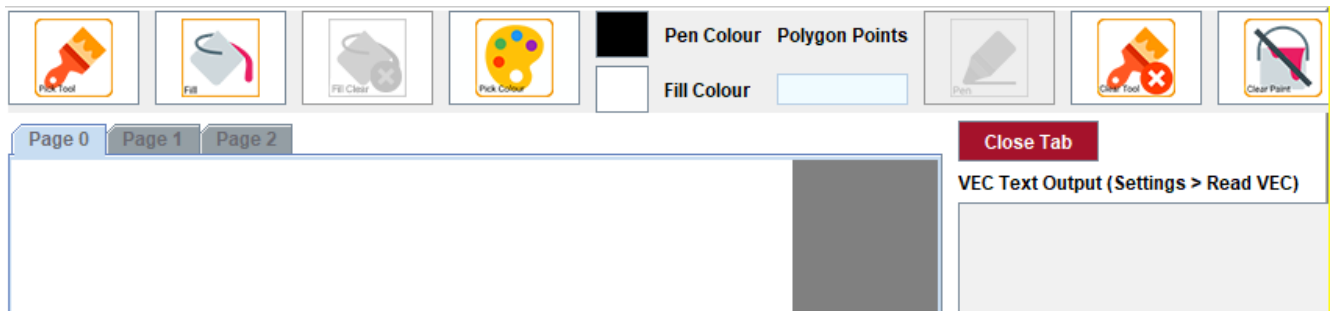
Help



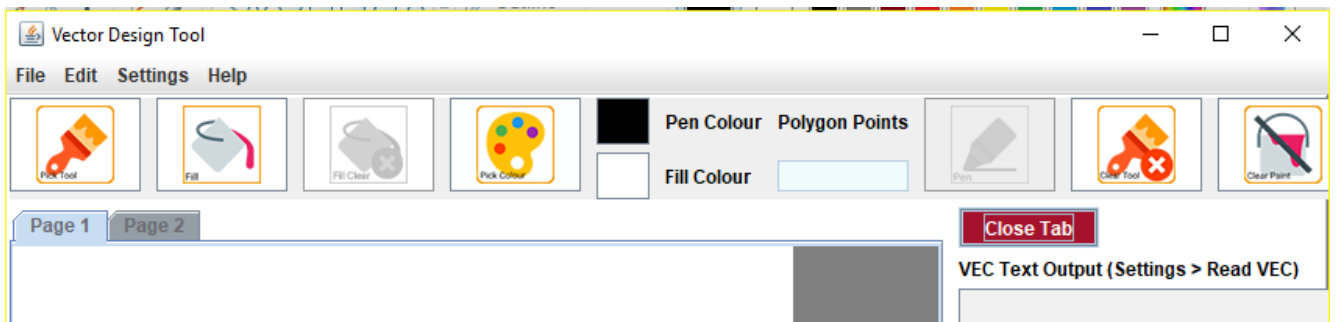
Help has two sections. User Guide (hotkey F1) links the user back to this guide for further instruction.

Drawing Tabs

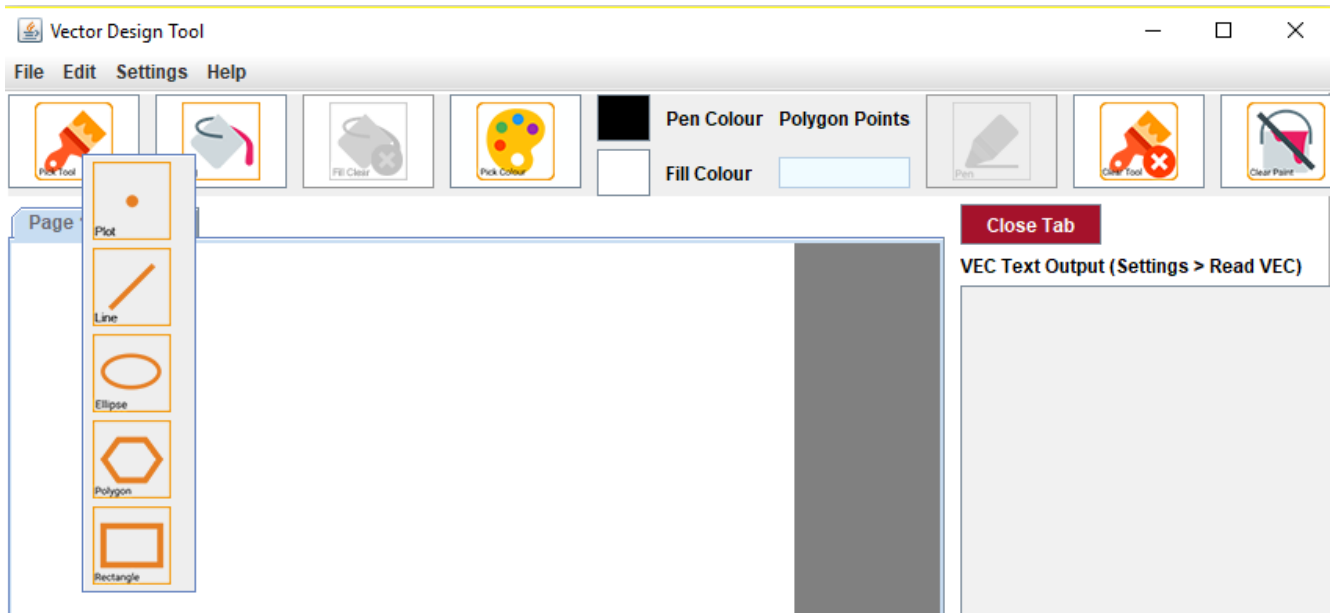
Every time New is selected from File or Ctrl + n is clicked, a new Tab is opened. The only time the Tools are active is when there is an active Tab.



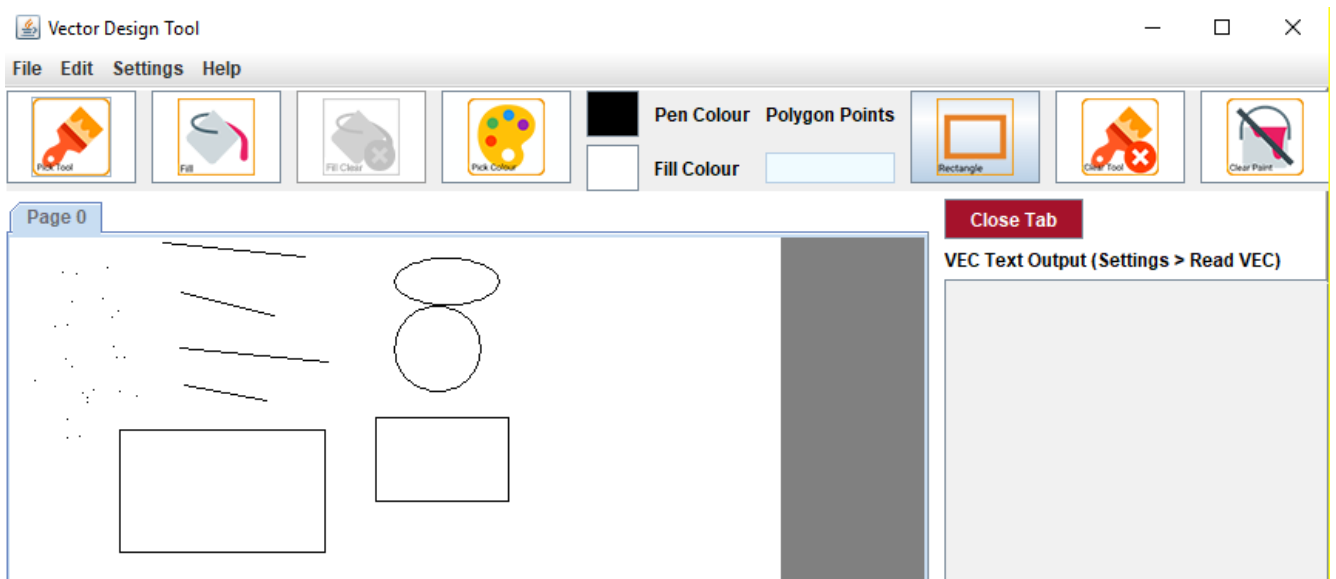
As can be seen here, clicking the red Close Tab button removes the current tab.



Tools

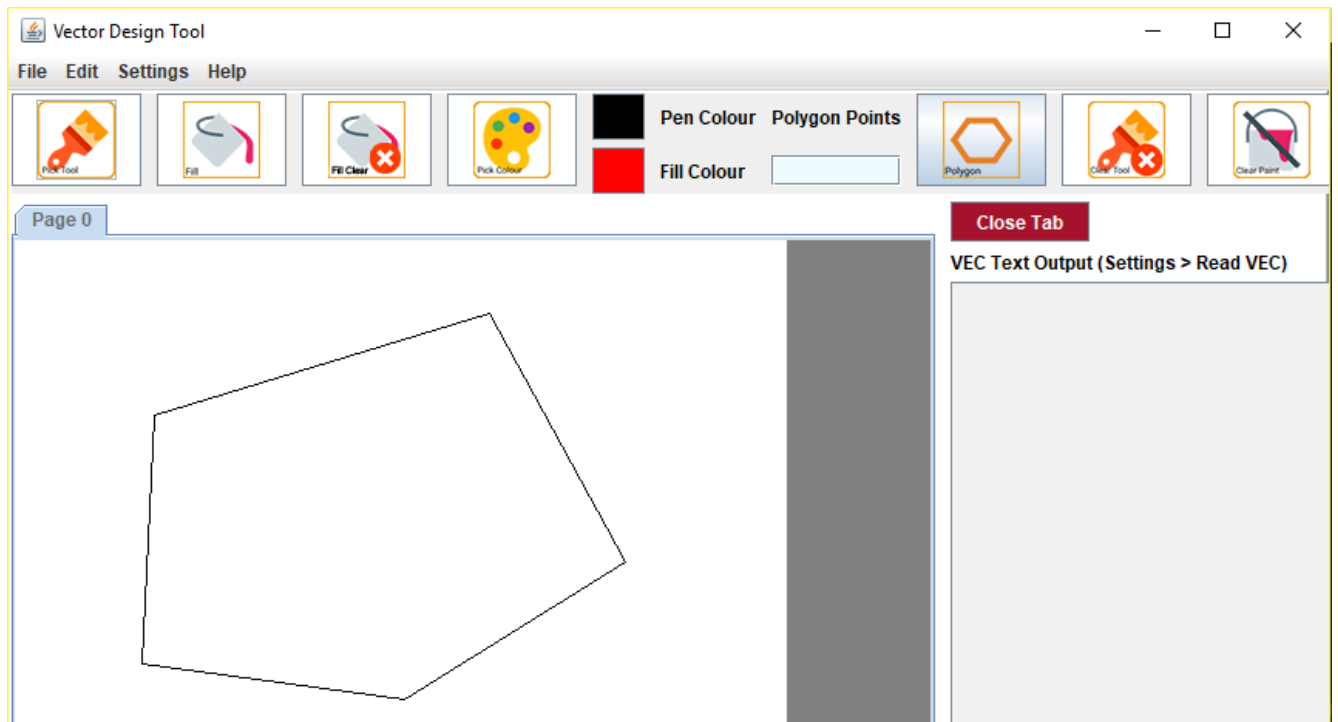


The Pick Tool opens a selection of different tools that can be used for plotting.



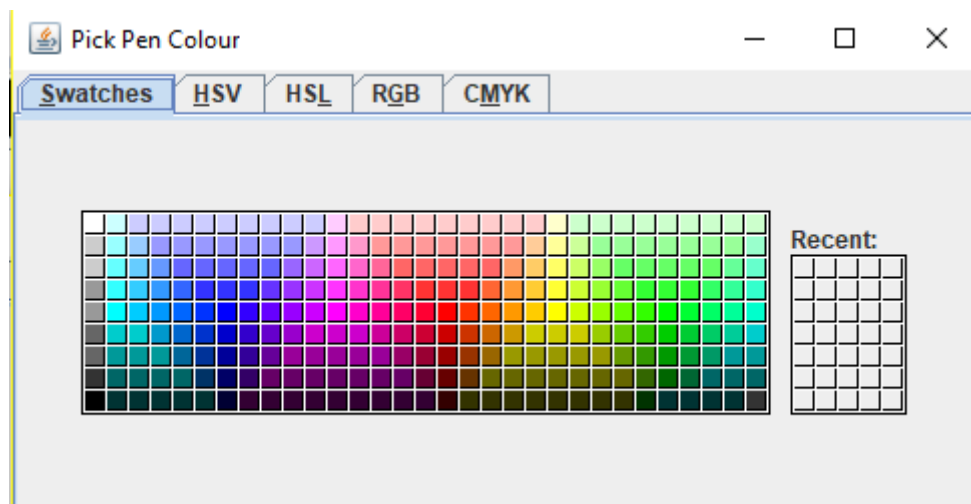
Plot places points on the drawing area where clicked. The line draws a line from the point in the drawing area that you click to the point that you release the mouse button. Ellipse and Rectangle draw the appropriate shape using the same click and drags feature as Line.

For Ellipse and Rectangle, a shape can only be drawn if you click and drag from the top left to bottom right.

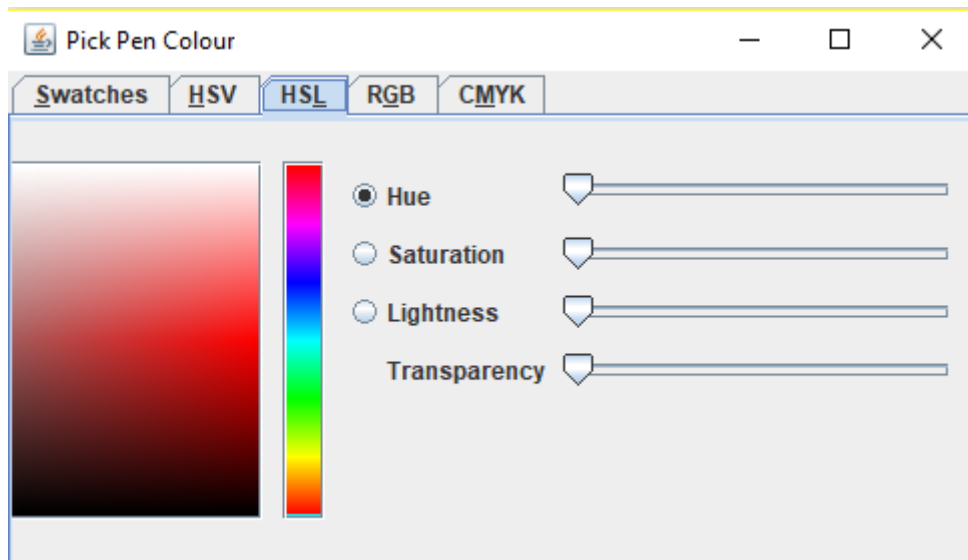


Polygon is first used by selecting Polygon from Pick Tool. This will enable the text field below Polygon Points. Then, you type in Polygon Points how many points your Polygon will have, before clicking on the screen the same amount of times to achieve the desired shape. Once the last point has been clicked, the shape will appear.

Pick Colour

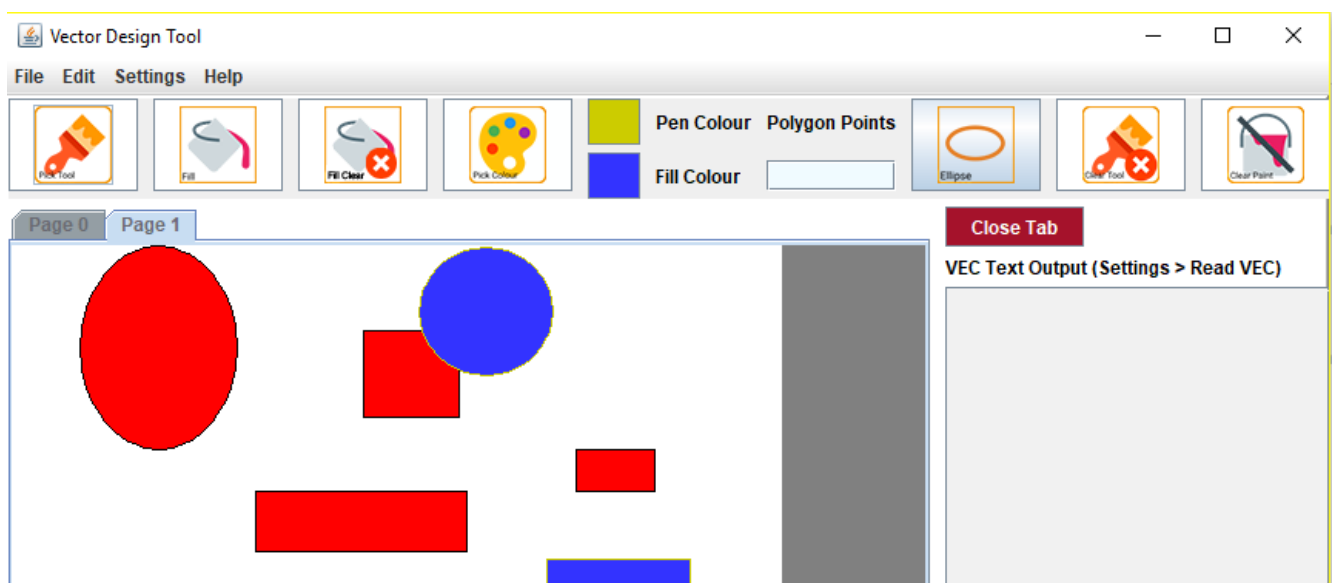


Pick Colour allows the user to select a colour of their choice for plotting purposes. This sets the colour of the next drawn item to the selected colour. You can identify which colour is selected by Pick Colour on the above square labelled Pen Colour; this square changes colour to match the current colour.



In Pick Colour, several tabs exist besides the default Swatches. Swatches are used to pick a colour from pre-selected options, as seen in the image previous above. HSV (Hue, Saturation, and Lightness), HSV (Hue, Saturation, Value), RGB (Red, Green, Blue), and CMYK (Cyan, Magenta, Yellow, Black) are all used to manually adjust various sliders to create your colour for use with the various Tools.

Fill Tool



The Fill tool is used in conjunction with the Shape Tools (Ellipse, Rectangle, Polygon) and Pick Colour. When you first click Fill, a selection similar to Pick Colour opens.



Fill Clear is used to remove the colour in Fill Colour. Clear Tool resets your current Tool back to nothing. Moreover, finally, Clear Paint removes Pen Colour.

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