PACT User's Manual

Contents

Tools
Pencil

To use the pencil simply select the pencil tool and hold down the left mouse button and move the mouse. To stop using the pencil simply release the left mouse button. To change the color of the pencil select a new color from the color panel on the side. To change the thickness of the pencil enter a number into the text field on the toolbar and hit the enter button.
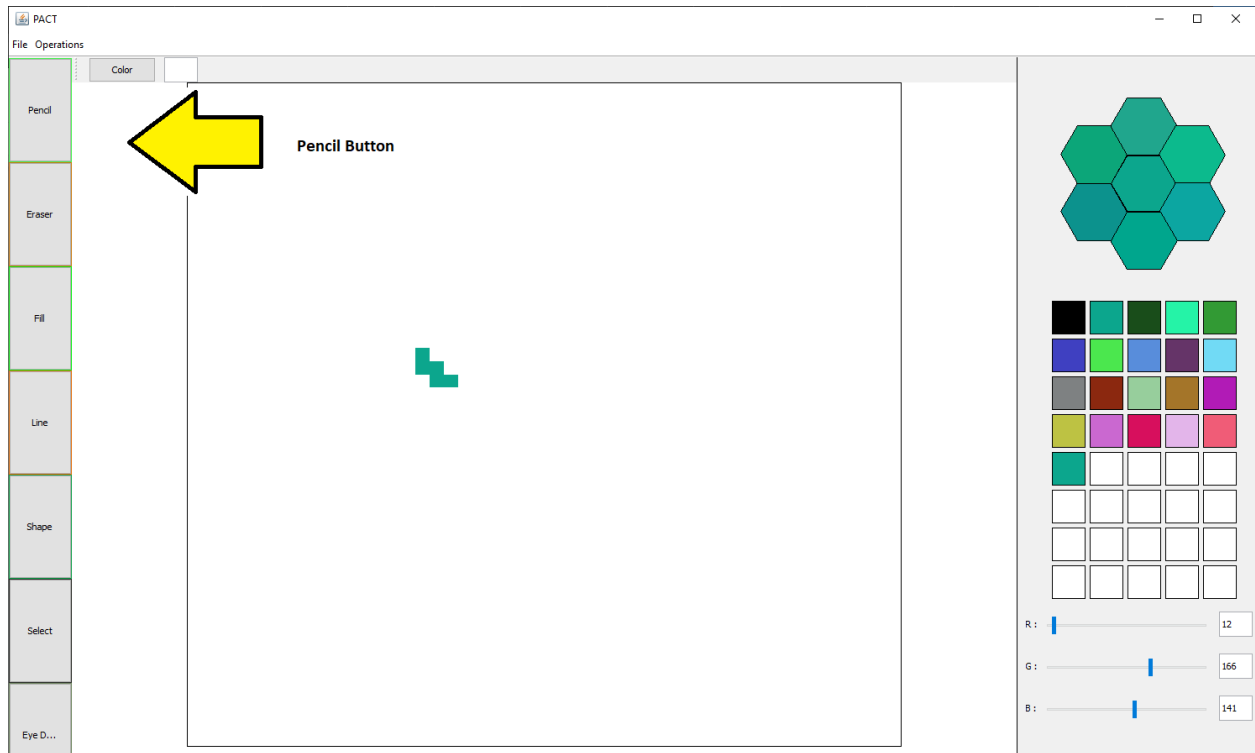
Eraser

To use the eraser first select the eraser tool. Hold down the left mouse button to begin erasing anything under the mouse cursor. To stop erasing, release the button. To change the size of the erased area enter a number into the textfield and hit the enter button.

Fill

To use the fill tool first select the fill tool button. Next left click anywhere on the grid. To change the color of the fill use the color panel on the left to select a new color.
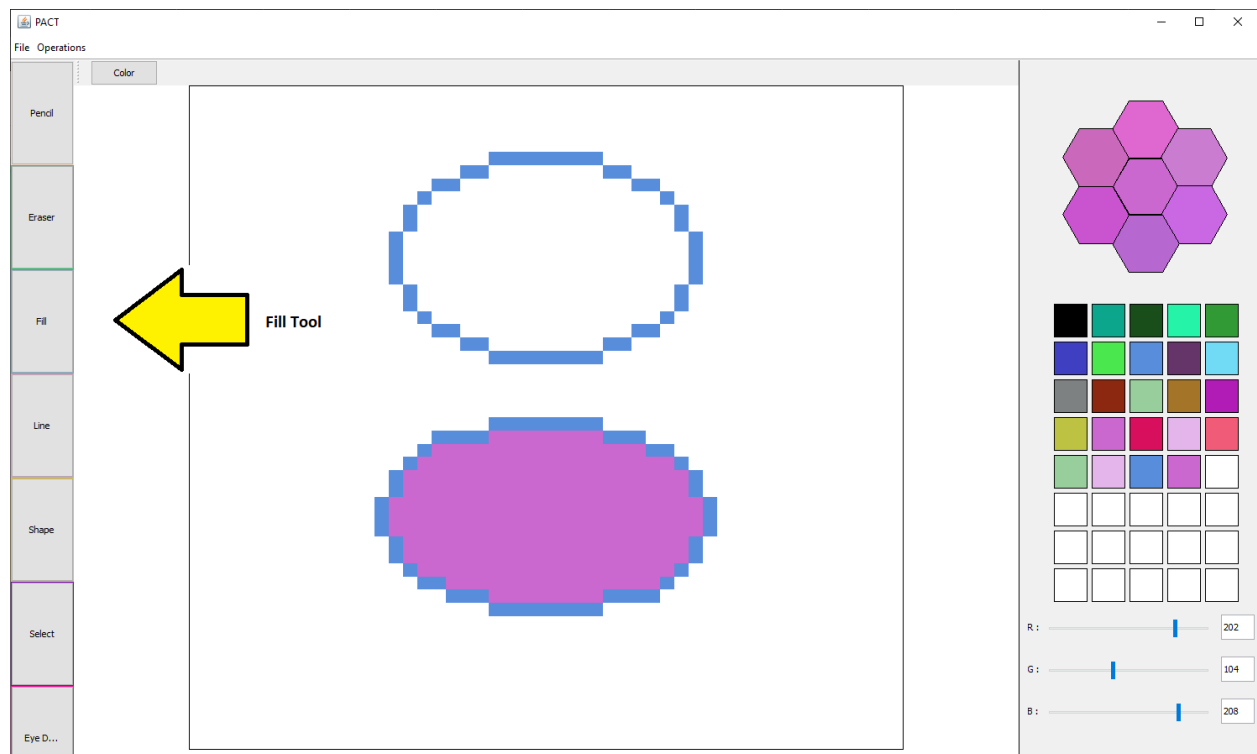
Line

To use the line tool first select the line tool button. Then hold down the left mouse button. Now drag the mouse to make the second point in the line. Once you have designated the line release the left mouse button.
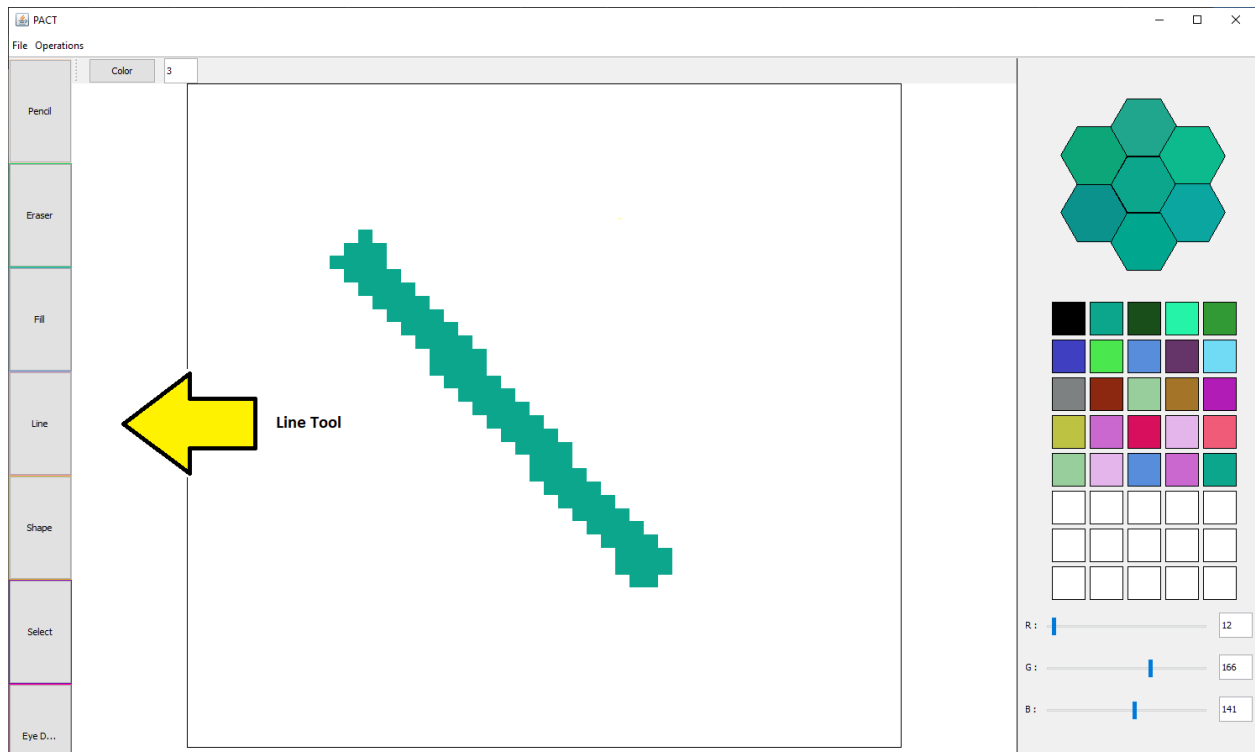
Shape

To use the shape tool first select the shape button on the left. Begin by holding down the left mouse button. Drag the mouse until you have formed the shape you want. Next release the mouse button. To change the shape select a different shape in the drop down menu. To change the thickness of the lines in the shape enter a new number in the textfield on the top and press the enter button. To change the color of the shape use the color panel on the left to select a new color.
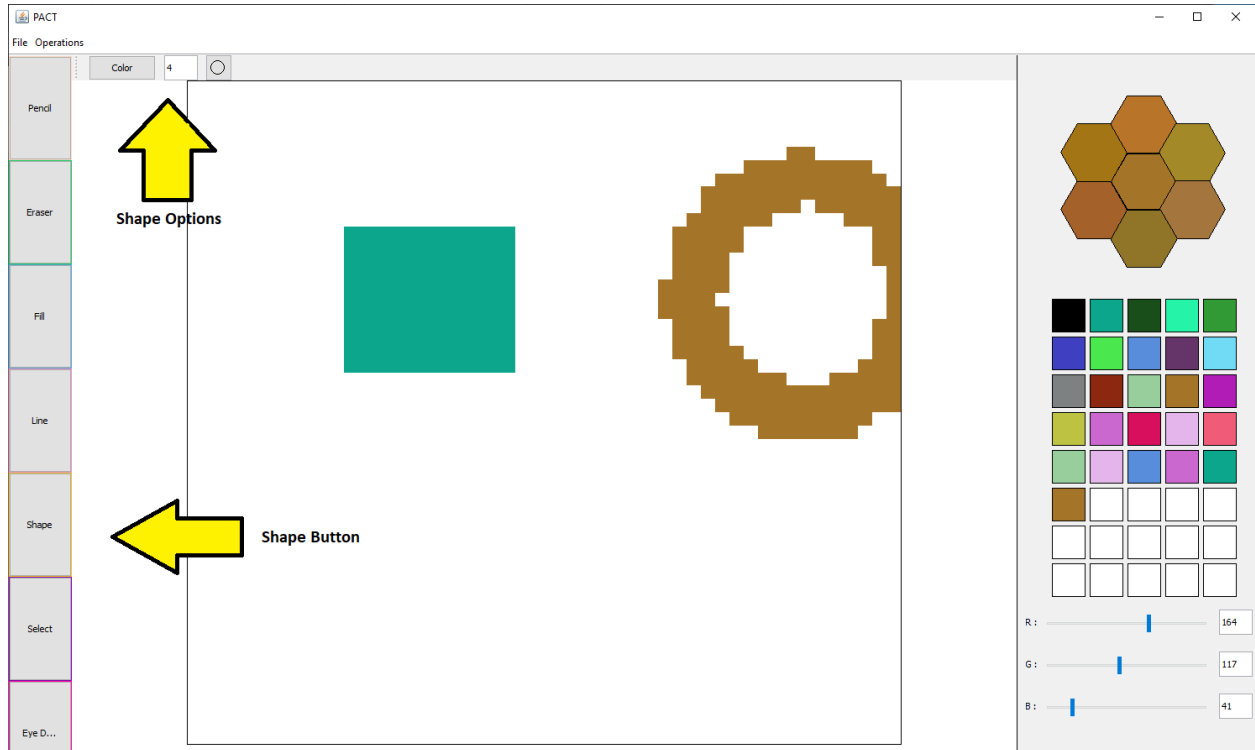
Select

To use the select tool first select the select button on the left. Next Hold down the left mouse button to begin drawing a rectangle. Now drag the mouse until you have selected the area you want to operate on. Next press the C key to copy the area. Now click on the grid to remove the rectangle. Now you can press the P key to paste the selected area to the mouse's position.
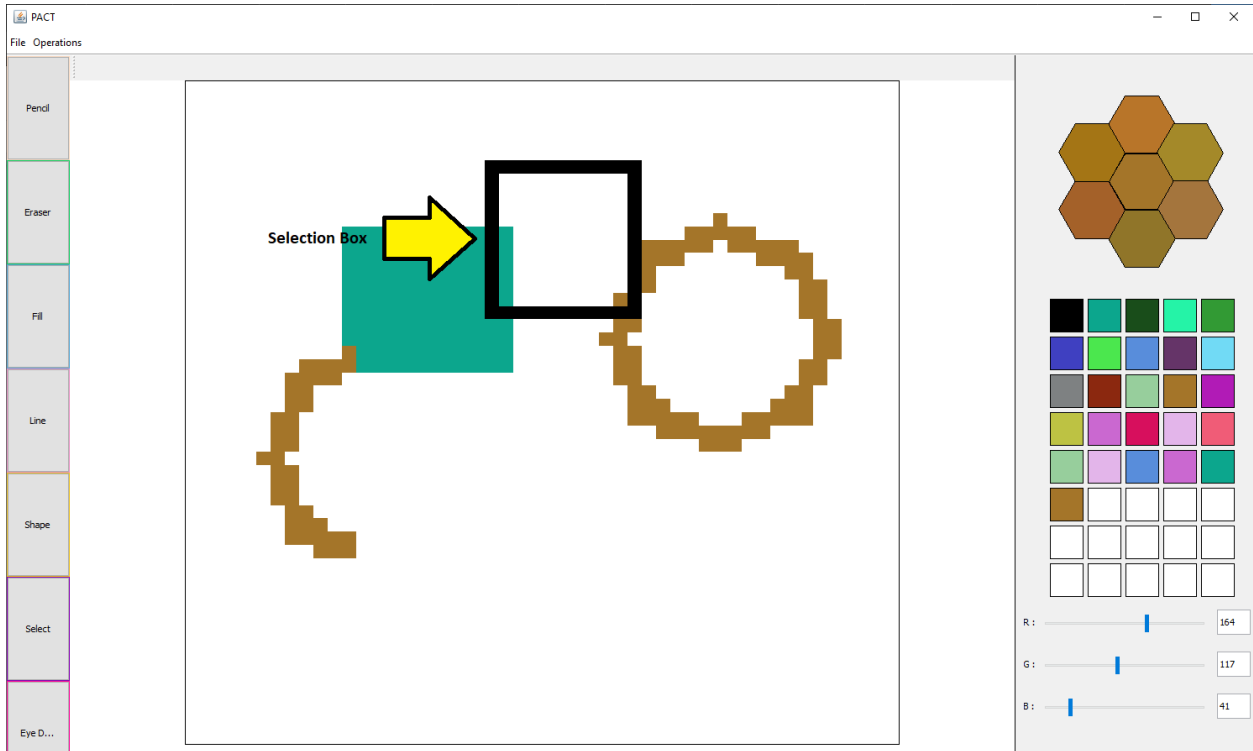
Eye Dropper

To use the Eyedropper first select the eyedropper button on the left. Next click on any pixel on the grid. The active color on the color panel to the right should change color to match the color of the pixel you selected.
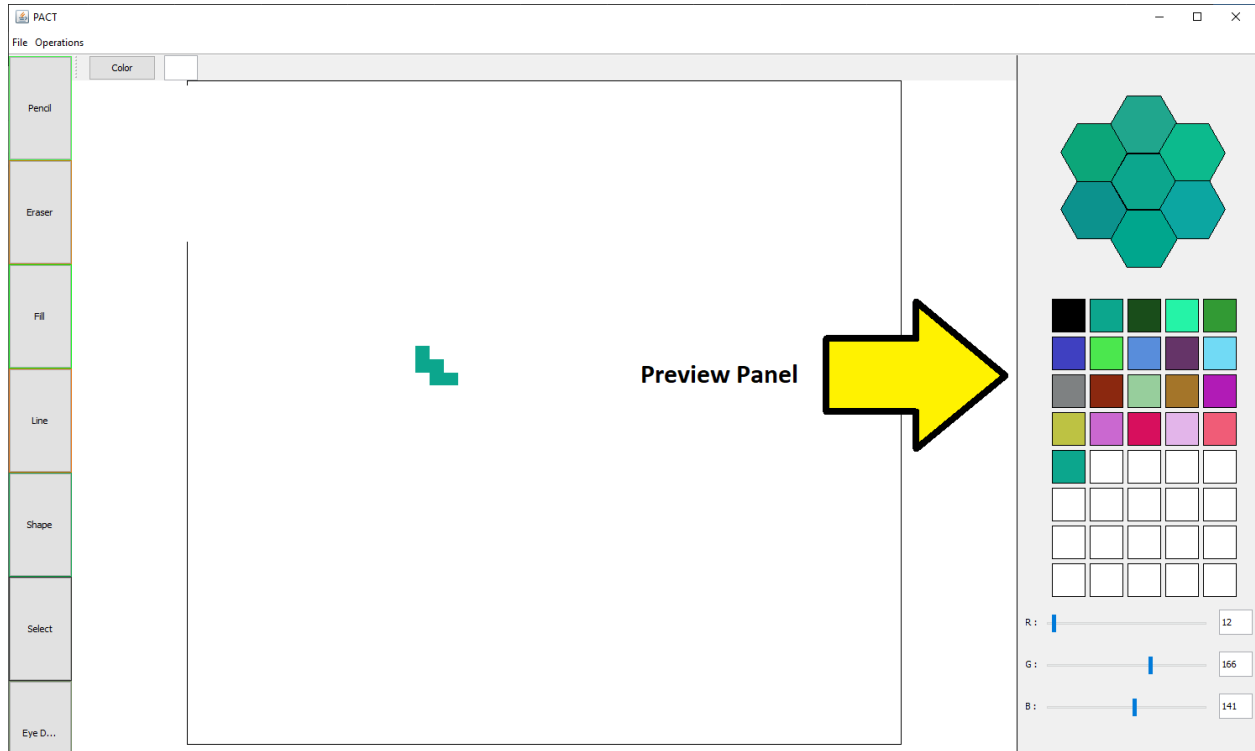
Undo

To undo an operation done by a tool simply press the Z key.

Redo

To redo an operation that was undone press the Y key.

Preview Panel

The preview panel is meant to give more options for tools. At the moment the only preview panel that is implemented is a color panel that helps the user select a color for tools that draw on the grid.

Color Panel

The color panel is split into three sections. The first section is the hexes. The middle hex shows the current active color. Each of the hexes surrounding the middle hex is a slightly different shade of the middle hex. To change the active color to one of these hexes simply click on it. The next panel in the middle of the panel is the button panel. This panel is further split into two parts. The top half of the panel are buttons preloaded with colors that the user may select by clicking on. The bottom half are buttons that change to save the current active color. This allows the user to easily select a color they have used in the past by clicking on that button. The last panel is the slider panel. This panel contains three sliders which each represent a component of an rgb color. The user can change the active color by moving the sliders or by changing the value in any of the adjacent text fields.
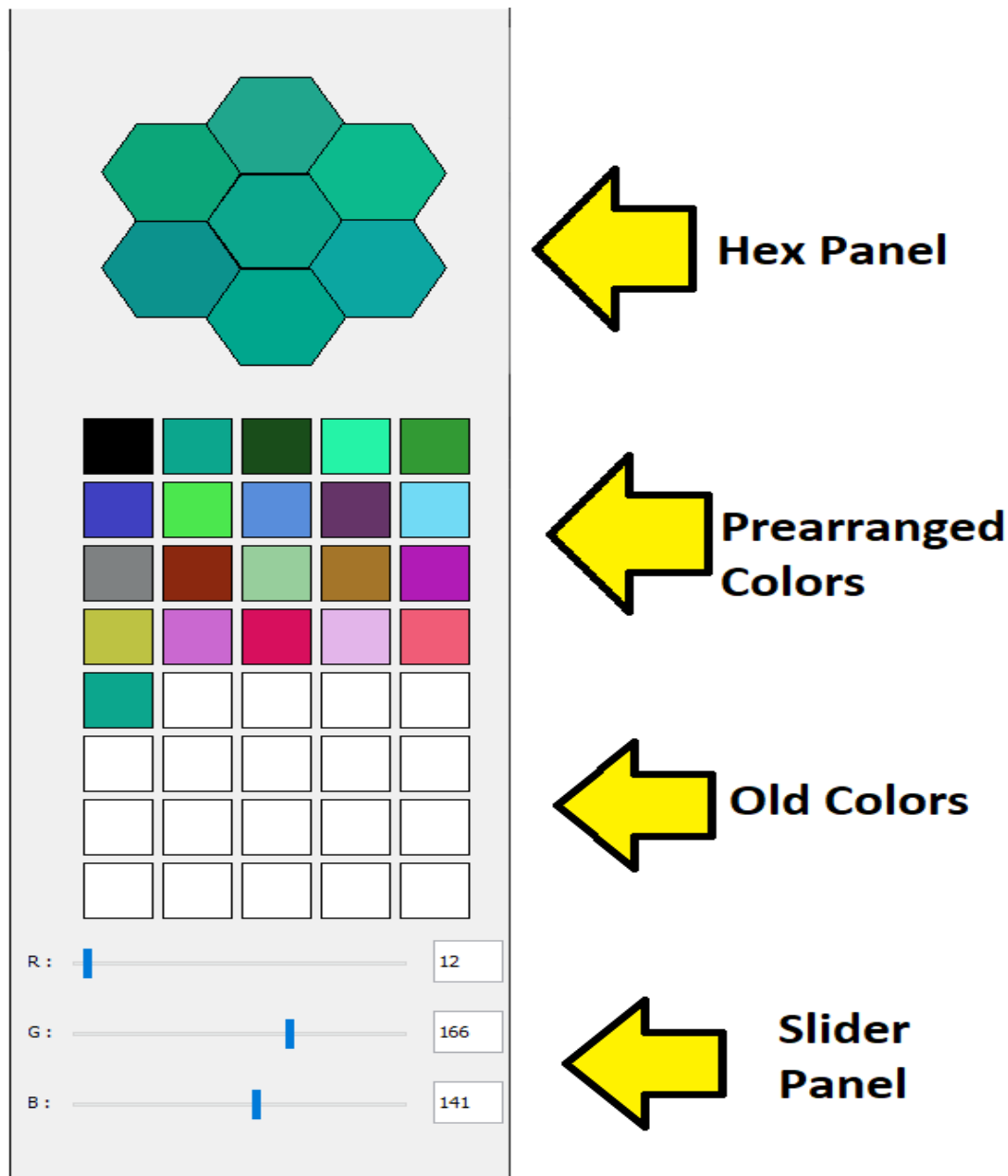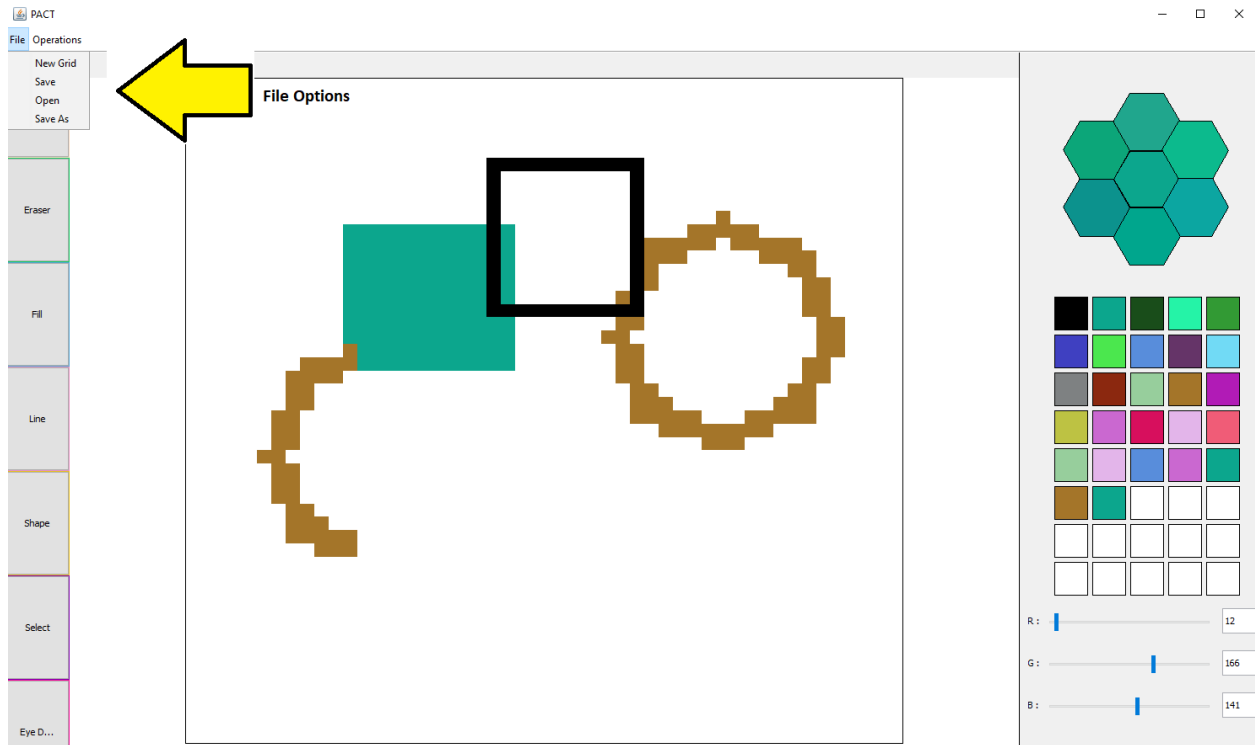
Menu

The menus are accessed through the tool bar on the top of the app frame.
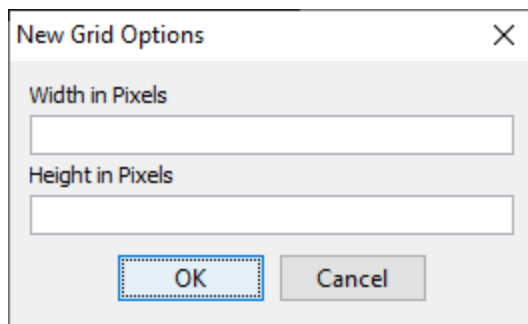
File

This menu item is for operations involving files

Make New Grid

First select the make new Grid menu item. Next a dialog box should pop up. Enter a positive integer value for both width and height then click the enter button. Next a new grid view should pop up displaying a box with the specified directions.

Save

To save simply select this option in the File menu. If a file has been previously selected the file will automatically be saved there. Else a file selector will pop up. Select a valid file location and click the open button. The file will be saved to that location
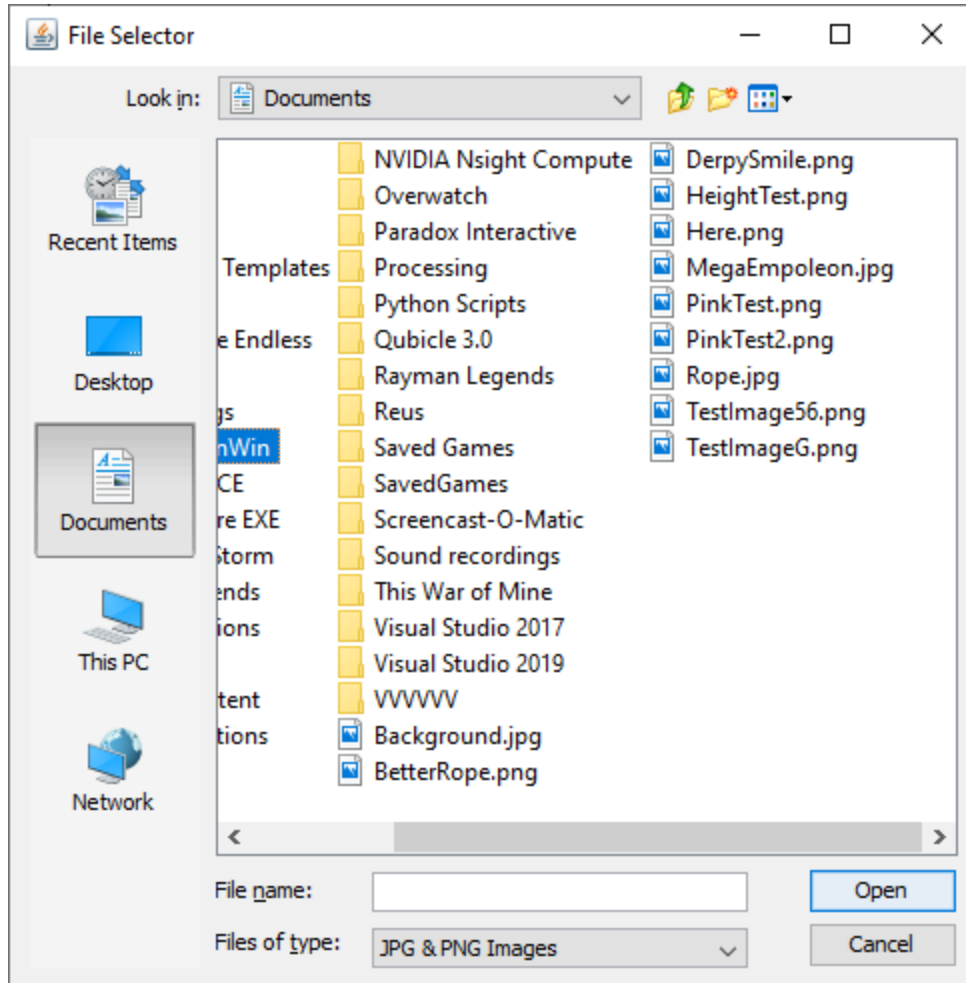

Open

To open a file select this option in the File menu. Next a file selector window will pop up. Select the image file you would like to open and click the open button. The image should be brought up onto the grid.

Save as

To save as select this option in the File menu. Next a file selector will pop up. Select a valid file location and click the open button. The file will be saved in that location.

Operations Menu

This menu item is for grid operations.
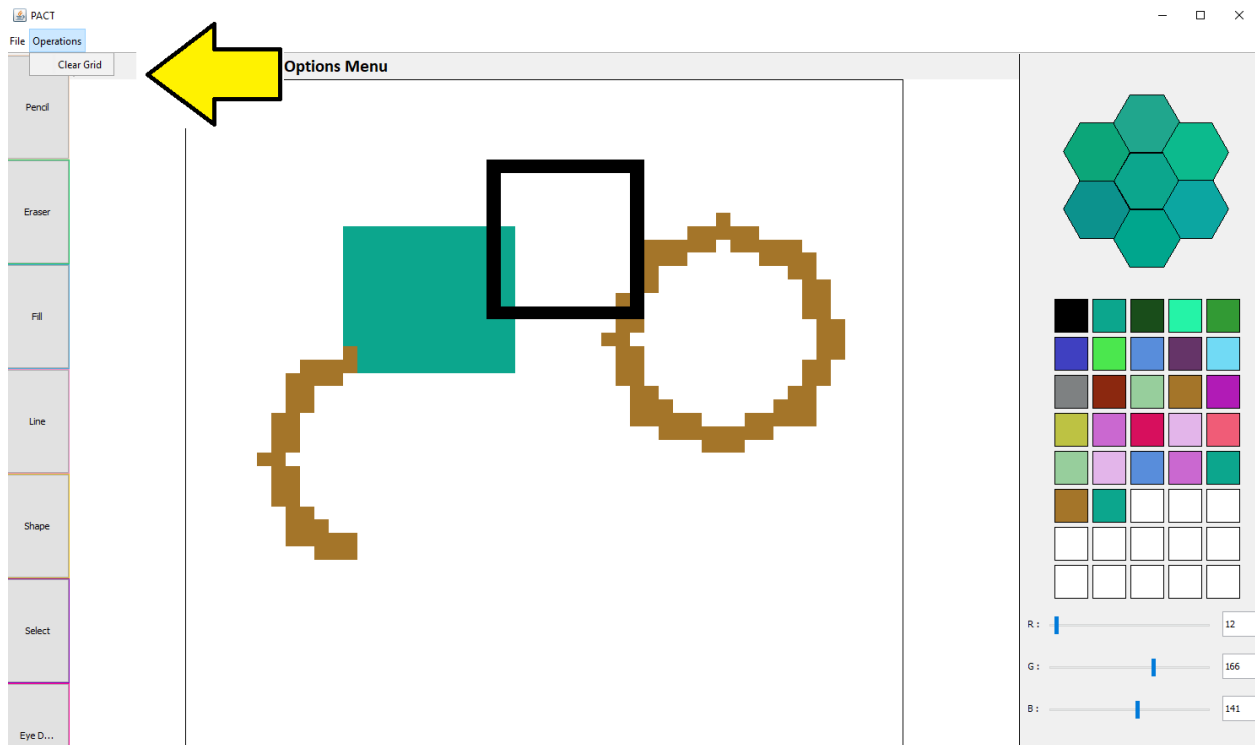
Clear Grid

To clear the grid simply select the clear grid item in the operations menu. The grid will be instantly cleared. Be sure to not accidentally use this since it cannot be undone.