ADOBE ILLUSTRATOR

https://www.youtube.com/watch?v=j_Y1yWe4Ch0

What is **Illustrator** used for?

List three graphic design examples that **Illustrator** maybe used for in the industry...

Why won't you find **pixels** in Illustrator?

What are **vectors**? How do they work?

What do they form?

Label the diagram below...

What are advantages and disadvantages of Illustrator?

Advantages: **Disadvantages:**

ADOBE PHOTOSHOP

What is **Photoshop** used for?

List three graphic design examples that you may use **Photoshop** for in the industry...

What **kind of images** do you use?

What are the images **made of?**

Why is photoshop used in the industry?

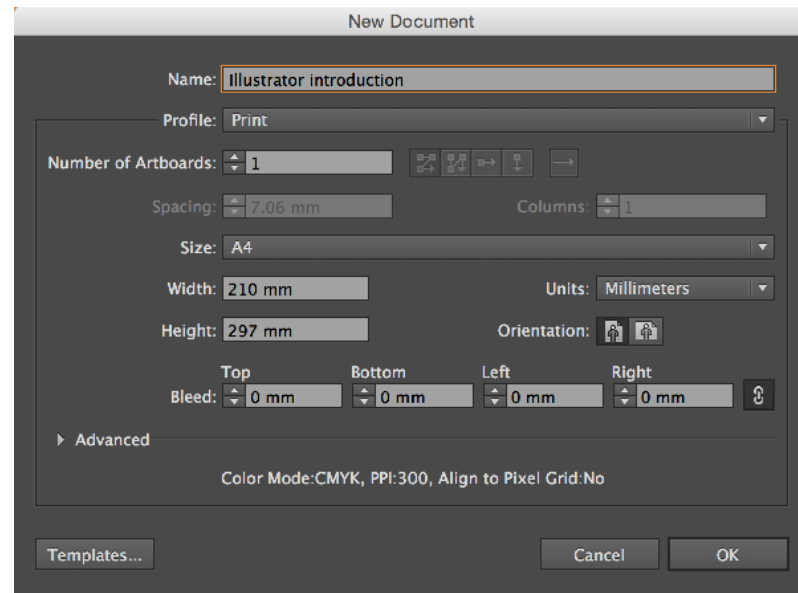What are the main advantages and disadvantages of photoshop?

Advantages: **Disadvantages:**

File, new, document.
(name document), (for print), A4, (choose orientation, landscape or portrait), OK.

New Document

Name:	Illustrator introduction
Profile:	Print
Number of Artboards:	1
Spacing:	7.06 mm	Columns:	1
Size:	A4
Width:	210 mm	Units:	Millimeters
Height:	297 mm	Orientation:	
Bleed:	Top 0 mm Bottom 0 mm Left 0 mm Right 0 mm	

▶ Advanced

Color Mode:CMYK, PPI:300, Align to Pixel Grid:No

Templates...   Cancel   OK

KEYBOARD SHOTRCUTS

Experiment with each short cut... and most importantly, learn how to take a SCREENSHOT!

cmd + C = **copy**

cmd + V = **paste**

cmd + T = **transform**

(hold) shift = **keeps proportion or alignment**

cmd + + = **zoom in**

cmd + - = **Zoom out**

V = **selection tool**

A = **direct selection tool**

T = **text tool**
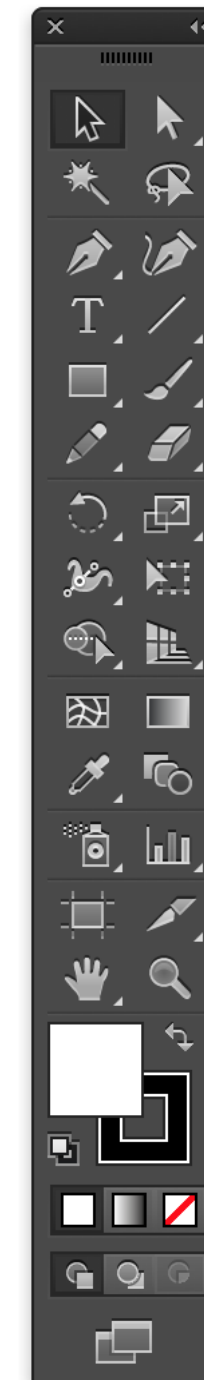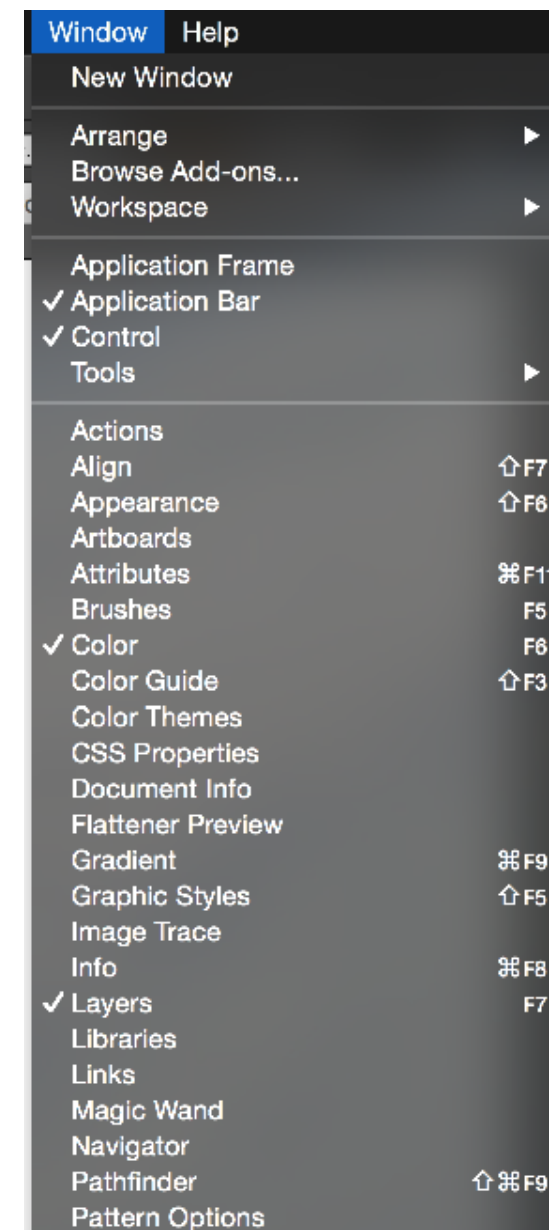
Alt (click, drag and drop) = **duplicate**

cmd + shift + 4 = **screenshot**

cmd + G = **group**

Locate... 'Tools', 'align', 'image trace' and 'pathfinder' in 'window'.

Window   Help

New Window

Arrange ▶
Browse Add-ons...
Workspace ▶

Application Frame
✓ Application Bar
✓ Control
Tools ▶

Actions
Align   ⇧F7
Appearance   ⇧F6
Artboards
Attributes   ⌘F11
Brushes   F5
✓ Color   F6
Color Guide   ⇧F3
Color Themes
CSS Properties
Document Info
Flattener Preview
Gradient   ⌘F9
Graphic Styles   ⇧F5
Image Trace
Info   ⌘F8
✓ Layers   F7
Libraries
Links
Magic Wand
Navigator
Pathfinder   ⇧⌘F9
Pattern Options

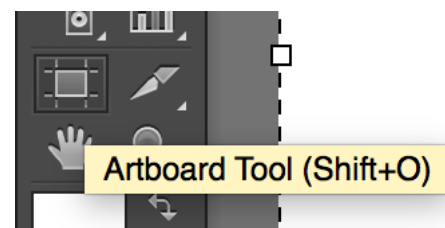Experiment with and label the toolbar and colour.

Making Multiple Artboards

Learn how to create multiple artboard spaces to work across.

1. Select the 'artboards' tool...

In your toolbar, towards the bottom, hover over to reveal the 'artboards' tool. Select this.
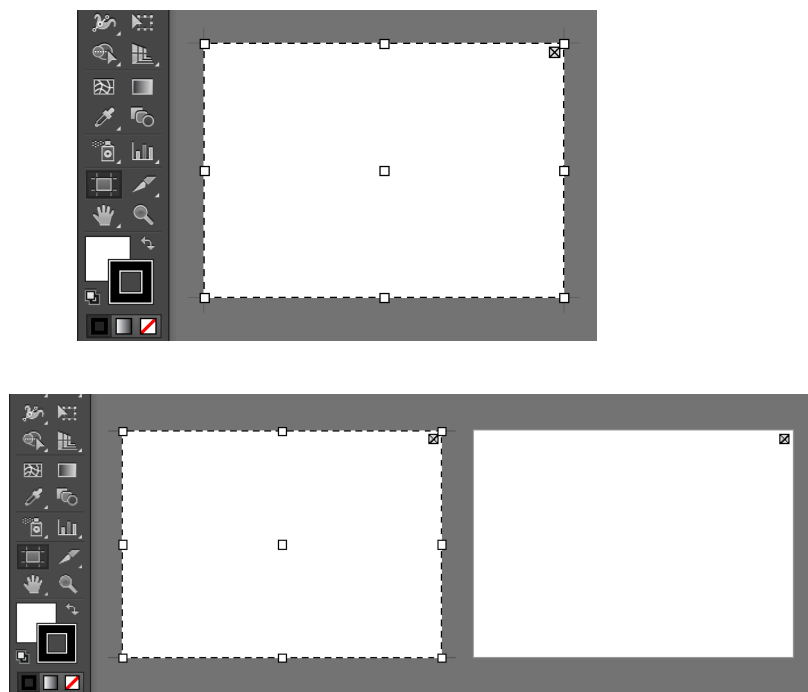
Artboard Tool (Shift+O)

2. Alt, drag and drop...

Select the artboard you would like to duplicate.

Hold 'alt' and drag and drop your chosen artboard.

Alter the size by dragging the corners.

Click off and you have two artboards to work with, they print out as seperarate pages.

Colour Codes

Learn to use repeat colour with colour codes. Website for colour scheme generation ideas...
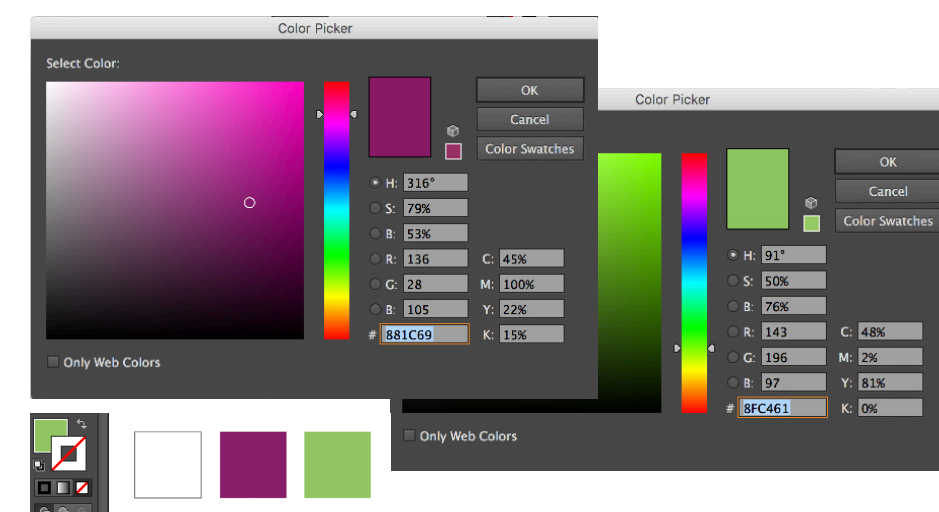
https://coolors.co

1. Colour tools...

The large box of white is colour fill. The black outline is known as the stroke. If you want no fill or stroke, select the white box with the red line through.

Stroke: 1 pt   Uniform

2. Selecting colour

Start by drawing out any shape. Double click on the fill colour tool, this will bring up the 'colour picker' box. In this box you can select exactly what colours you would like to use, save them and re-use.

Color Picker
Select Color:
H: 316°
S: 79%
B: 53%
R: 136   C: 45%
G: 28   M: 100%
B: 105   Y: 22%
881C69 K: 15%
Only Web Colors
OK
Cancel
Color Swatches

Color Picker
H: 91°
S: 50%
B: 76%
R: 143   C: 48%
G: 196   M: 2%
B: 97   Y: 81%
8FC461 K: 0%
Only Web Colors
OK
Cancel
Color Swatches

3. Stroke and opacity

Alter the stroke size around any object by increasing the 'stroke'.
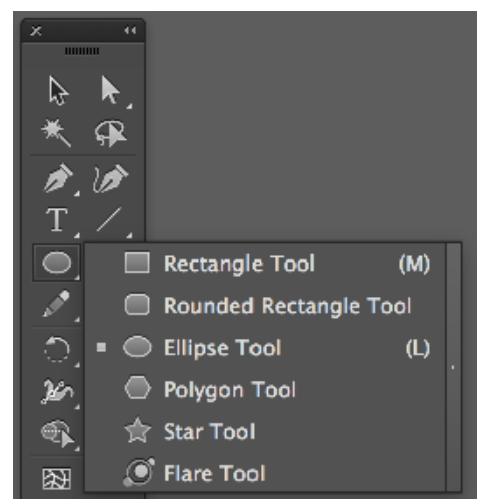Alter the opacity of any colour using the tools at the top of the page.

Stroke: 8 pt   Uniform

Basic   Opacity: 50%
Untitled-1* @ 66.67% (CMYK/Preview)
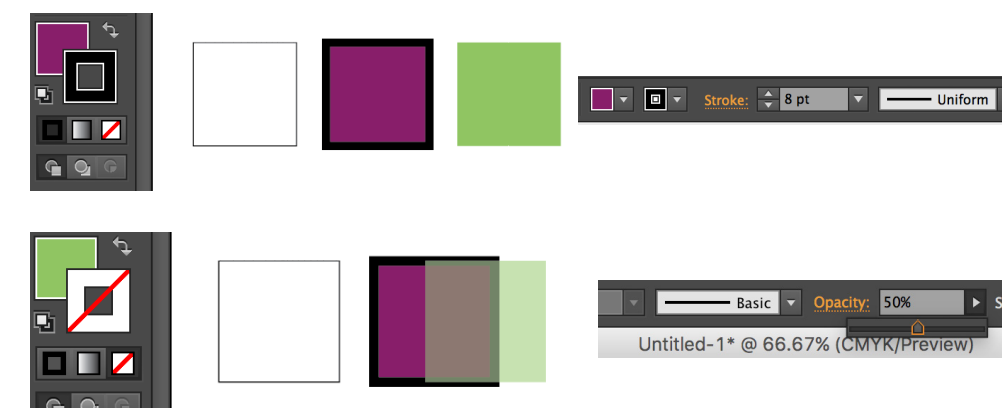
Shapes and Pathfinder

Learn how to create and manipulate shapes and pathways...

1. Create a shape

In your tools, keep your mouse clicked down over the 'shapes tool', choose your shape.
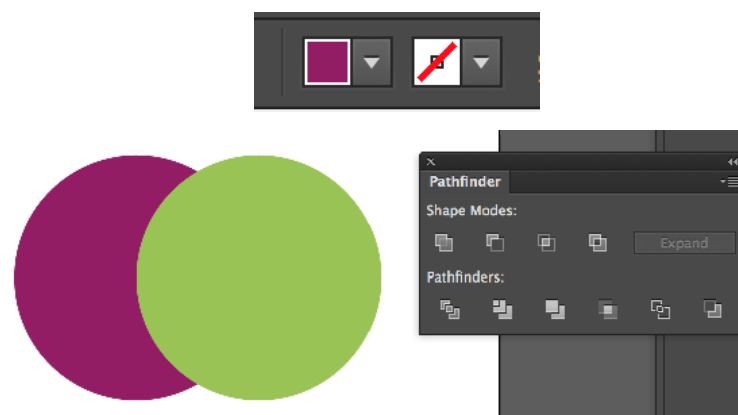
☐	Rectangle Tool (M)
☐	Rounded Rectangle Tool
⬭	Ellipse Tool (L)
⬡	Polygon Tool
☆	Star Tool
◎	Flare Tool

2. Colour and duplicate...

Select your shape. Choose the colour (at the top of the page).

Press 'alt' and drag and drop your shape to duplicate it.

Acess 'window' at the top of your page to bring up the 'pathfinder' tool-set.

Pathfinder

Shape Modes:

Expand

Pathfinders:

3.Alignment tools
Once you have created and duplicated some shapes, use the align tools to experiment with layout.

Align Objects:

Distribute Objects:
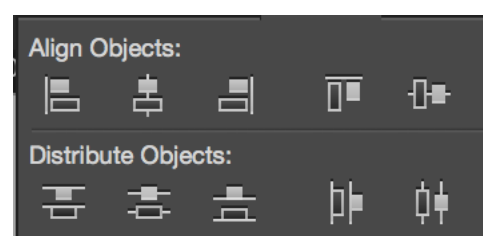
Shapes and Pathfinder

Start experimenting, create and colour random vector shapes.

4.Experiment with pathfiner tools...

Unite

Minus Front

Intersect

Exclude

Divide

Direct Selection (white arrow)

1. Type

Start by writing out your type/design using the T - type tool...
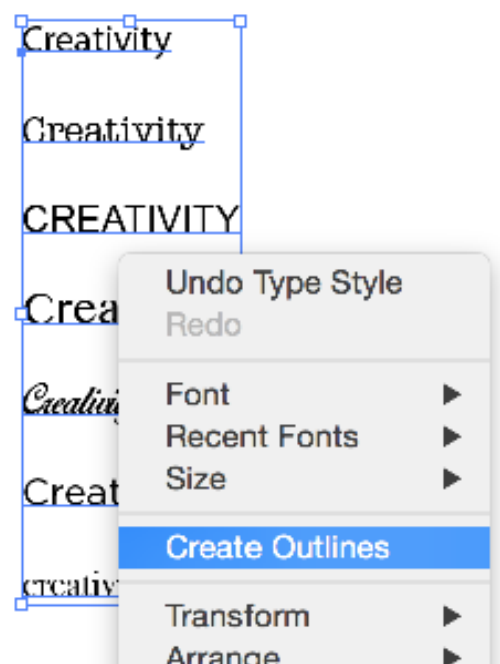
Play around with different fonts...

Creativity
Creativity
CREATIVITY
Creativity
Creativity
Creativity
creativity

2. Font to Vector

Change the font into a vector (ready for manipulation).

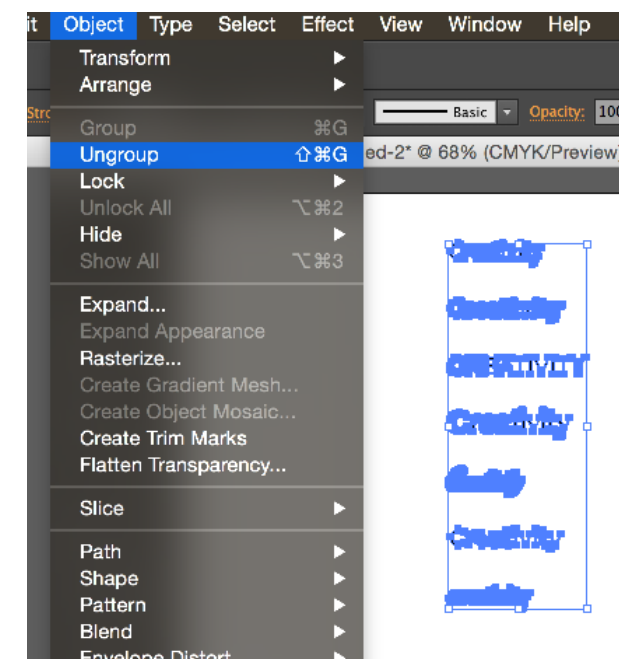Keeping CTRL pressed down, click over the type and select 'create outlines'...

Undo Type Style
Redo

Font
Recent Fonts
Size

Create Outlines

Transform
Arrange

3. Ungroup

The type is currently one big group.

Select 'Ungroup' to access individual letters.

*Shortcut:
cmd + shift + g

Object Type Select Effect View Window Help
Transform
Arrange
Group   ⌘G
Ungroup   ⇧⌘G
Lock
Unlock All   ⌥⌘2
Hide
Show All   ⌥⌘3
Expand...
Expand Appearance
Rasterize...
Create Gradient Mesh...
Create Object Mosaic...
Create Trim Marks
Flatten Transparency...
Slice
Path
Shape
Pattern
Blend
Envelope Distort

4. Experimentation

Start playing around with your type using the direct selection tool (white arrow)...

Select specific points (small squares in a pathway). You can drag and distort these, change scale, create a style or a sense of movement...

Creativity
Creativity Creativity

Direct Selection (white arrow)

Image Tracing

Great technique if you've sketched an idea or a beautifully finished design and you would like to touch up and turn into a vector. Helpful video...
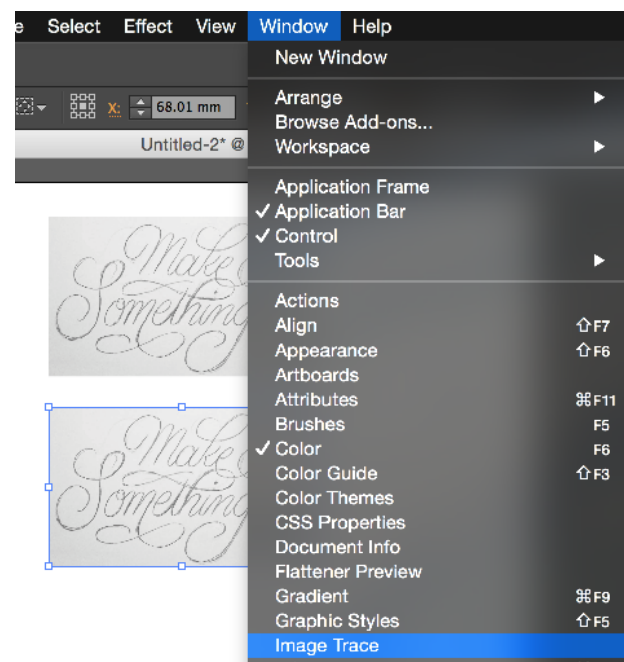
https://www.youtube.com/watch?v=JTVAOkgMMOY - Will Paterson

1. Image

Copy and paste an image from the internet/scan your own...

Duplicate it...

Get your image trace tool set up

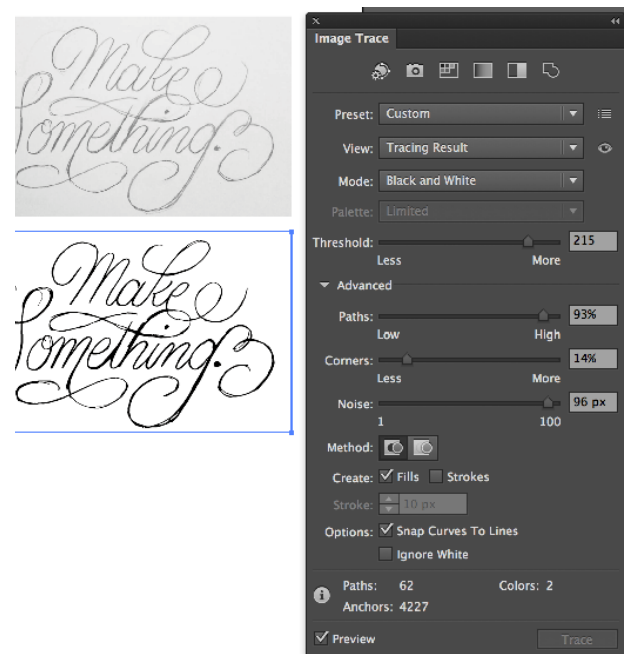### 2. Play around

*turn on preview (bottom left hand corner)

experiment with the threshold, paths, noise and corners...
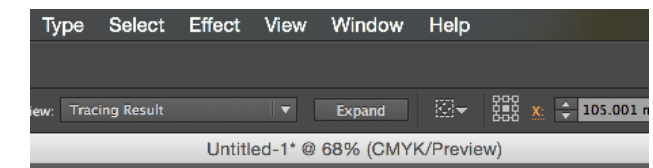
alter until you achieve the image you want...

3. Expand

Press the expand button...

This will convert it into pathways (vectors).

Image Tracing

4. Experiment

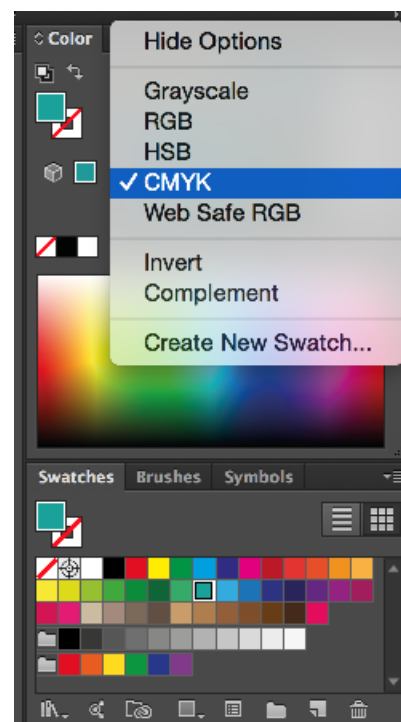*using your direct selction tool (white arrow)

This will allow you subtract parts of the image.

You can also add and experiment with colour.

Direct Selection
(white arrow)

Pen tool

This is a hard technique to master and requires patience. It's great for creating original and professional typography, from hand rendered form or developing a sketched logo further and turning into a vector.
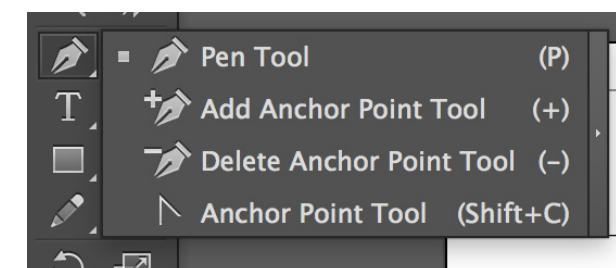
Here is a link to a helpful website/video for practice and guidance...

http://bezier.method.ac
http://www.foreverdansky.com/blog/master-pen-tool-bezier-game

1. Pen tool

Locate the pen tool. There are 4 options as you click and hold the pen tool down...

pen tool
add anchor point
delete anchor point
anchor point

Pen Tool	(P)
Add Anchor Point Tool	(+)
Delete Anchor Point Tool	(–)
Anchor Point Tool	(Shift+C)

2. Anchor points

The square dots you create are anchor points.

The 'stretchy lines' create 'bezier curves' and control which direction your curve will go in.

The trick is to have as little anchor points as possible at the end, this will create a smooth professional

X: -9.59 cm
Y: 2.16 cm