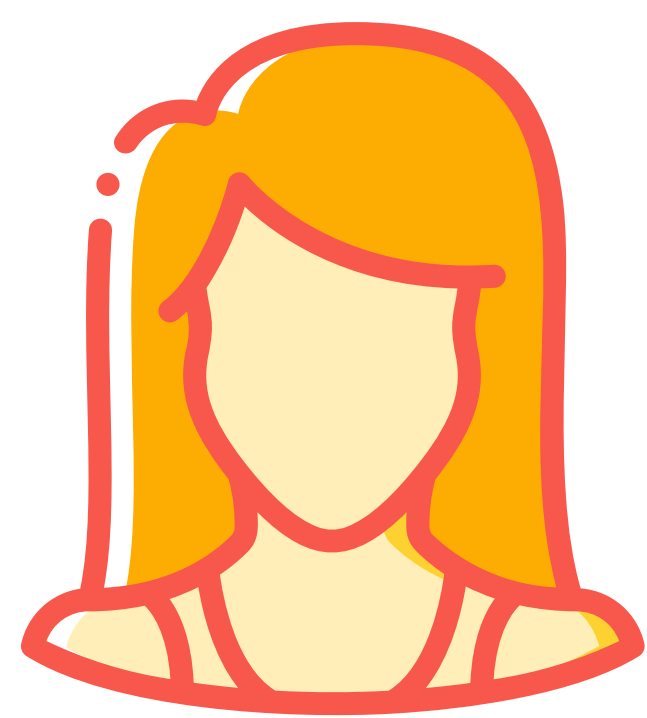


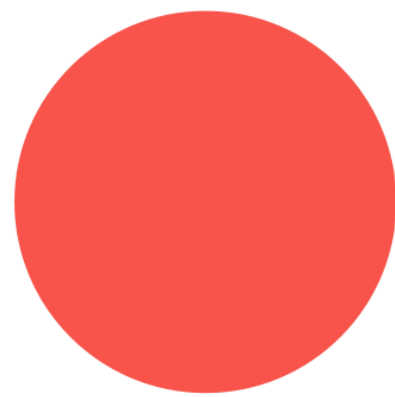
# APPLICATION DATA MODEL

APPLICATION **SKETCH**

DATA TYPE **VECTOR GRAPHICS**



views



consists of

Offset(h)	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00000000	B3	C3	80	C2	8E	C3	90	C2	BC	00	7C	C2	8E	C3	80	C2
00000010	8E	C3	98	C2	8E	00	7C	C2	BF	00	06	C2	B9	00	02	C3
00000020	BC	C3	B3	C2	A4	50	68	1C	06	C3	8B	C3	BB	60	C2	B9
00000030	47	01	C2	BD	A4	06	C3	92	4E	00	45	C3	A2	C3	BA	44
00000040	C2	85	2E	70	1C	C2	B8	26	04	08	68	62	40	0E	C2	83
00000050	0C	C2	A3	3A	C2	81	C2	96	C2	84	C3	B5	12	10	C3	87
00000060	03	21	01	C3	A1	00	37	26	C2	BF	C2	B5	C3	81	37	60
00000070	00	C2	A3	C2	BF	00	33	C3	A2	C2	88	41	C3	BF	C3	98
00000080	C3	A8	06	C2	83	4C	C3	BF	C2	8E	C2	B0	00	7D	C2	A8
00000090	04	C3	A2	C3	81	4A	40	C3	8F	49	C2	A1	53	02	C2	B0
000000A0	0C	C2	AB	C2	B7	C3	82	C3	AA	00	00	00	00	03	1B	0C
000000B0	74	04	04	C3	98	60	C2	B3	20	02	0E	C3	87	C2	81	4F
000000C0	C2	80	3E	18	C3	B0	08	51	02	C3	8C	C3	BF	C2	B1	52
000000D0	10	66	C3	87	C2	81	C2	8F	C2	80	33	C3	BF	6C	C2	98
000000E0	04	C2	99	C3	B1	60	04	20	C3	8C	40	33	4A	C3	80	C3
000000F0	87	40	C2	99	07	1E	40	02	00	4B	12	C3	BA	C3	A8	08
00000100	45	C2	85	2E	70	6E	4C	75	04	02	C2	AF	C2	8F	C2	80

## EMPTY FILE

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <svg width="2125px" height="1375px" viewBox="0 0 2125 1375" version="1.1" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/1999/xlink">
3   <!-- Generator: Sketch 62 (91390) - https://sketch.com -->
4   <title>empty artboard</title>
5   <desc>Created with Sketch.</desc>
6   <g id="empty-artboard" stroke="none" stroke-width="1" fill="none" fill-rule="evenodd"></g>
7 </svg>
```

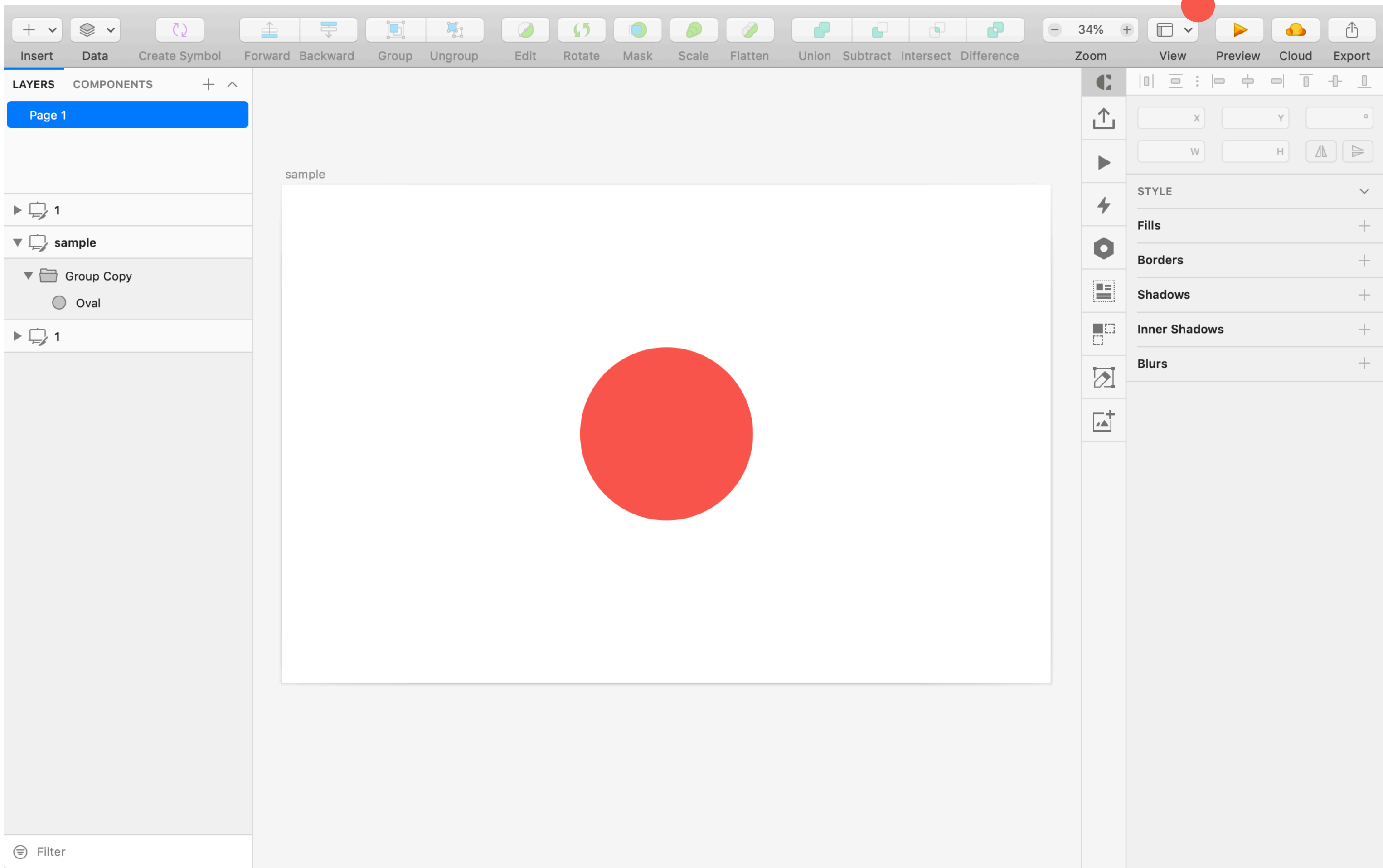
## EXAMPLE FILE

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <svg width="478px" height="478px" viewBox="0 0 478 478" version="1.1" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/1999/xlink">
3   <!-- Generator: Sketch 62 (91390) - https://sketch.com -->
4   <title>Oval</title>
5   <desc>Created with Sketch.</desc>
6   <g id="Page-1" stroke="none" stroke-width="1" fill="none" fill-rule="evenodd">
7     <g id="sample" transform="translate(-824.000000, -449.000000)" fill="#F55951">
8       <path d="M1063,927 C1194.99606,927 1302,819.996055 1302,688 C1302,556.003945 1194.99606,449 1063,449 C931.003945,449 824,556.003945 824,688 C824,819.996055 931.003945,927 1063,927 Z" id="Oval">
9     </g>
10   </g>
11 </svg>
```

The user views the orange circle which is displayed in a vector format.

The orange circle is displayed in pixels per inch where each pixel contains a color value.

Each pixel typically consists of 24 bits (3 bytes) for a color image-- one byte each for Red, Green, and Blue.



is a part of

can be broken further into

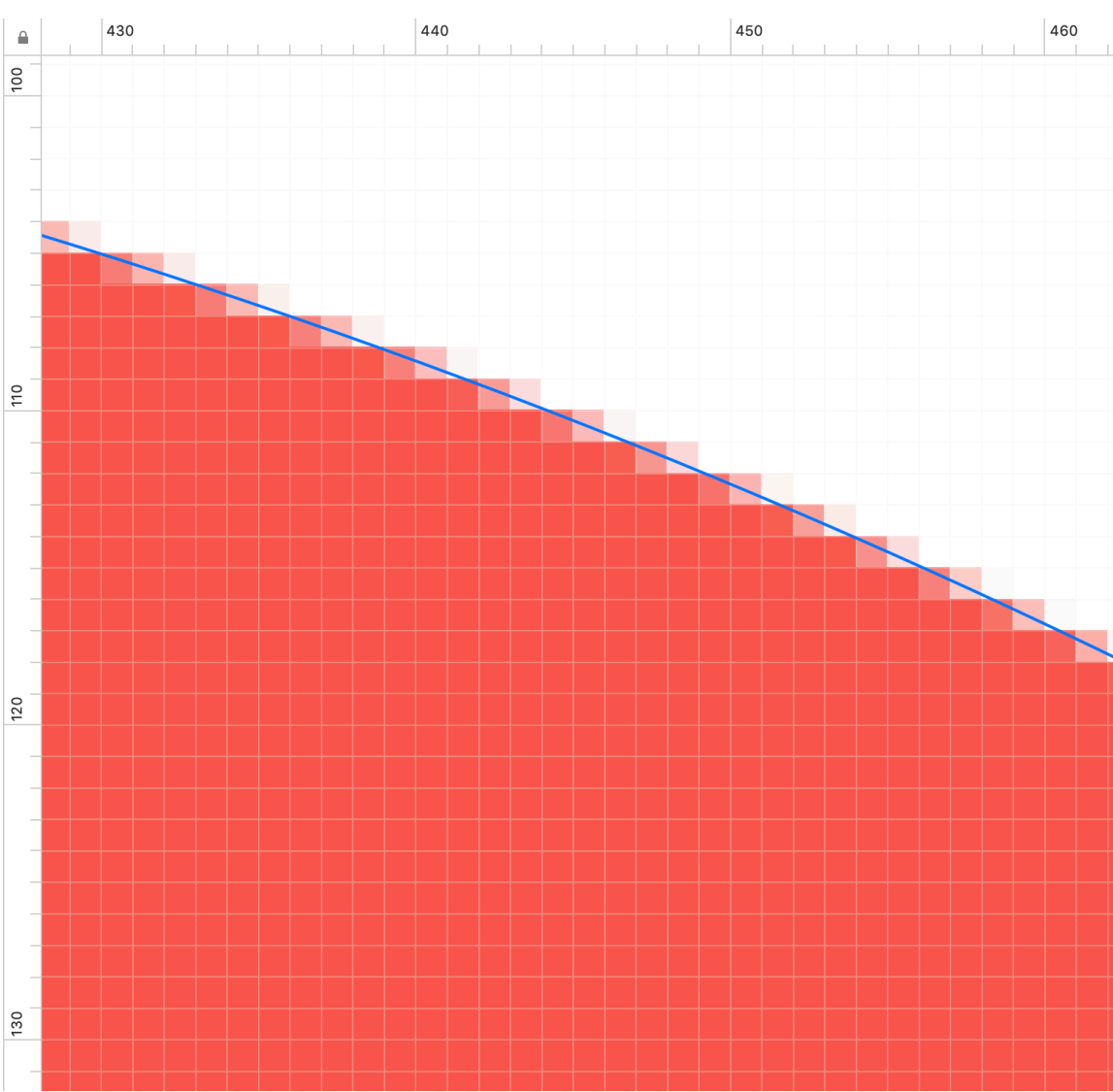
## HEX DATA

## BINARY

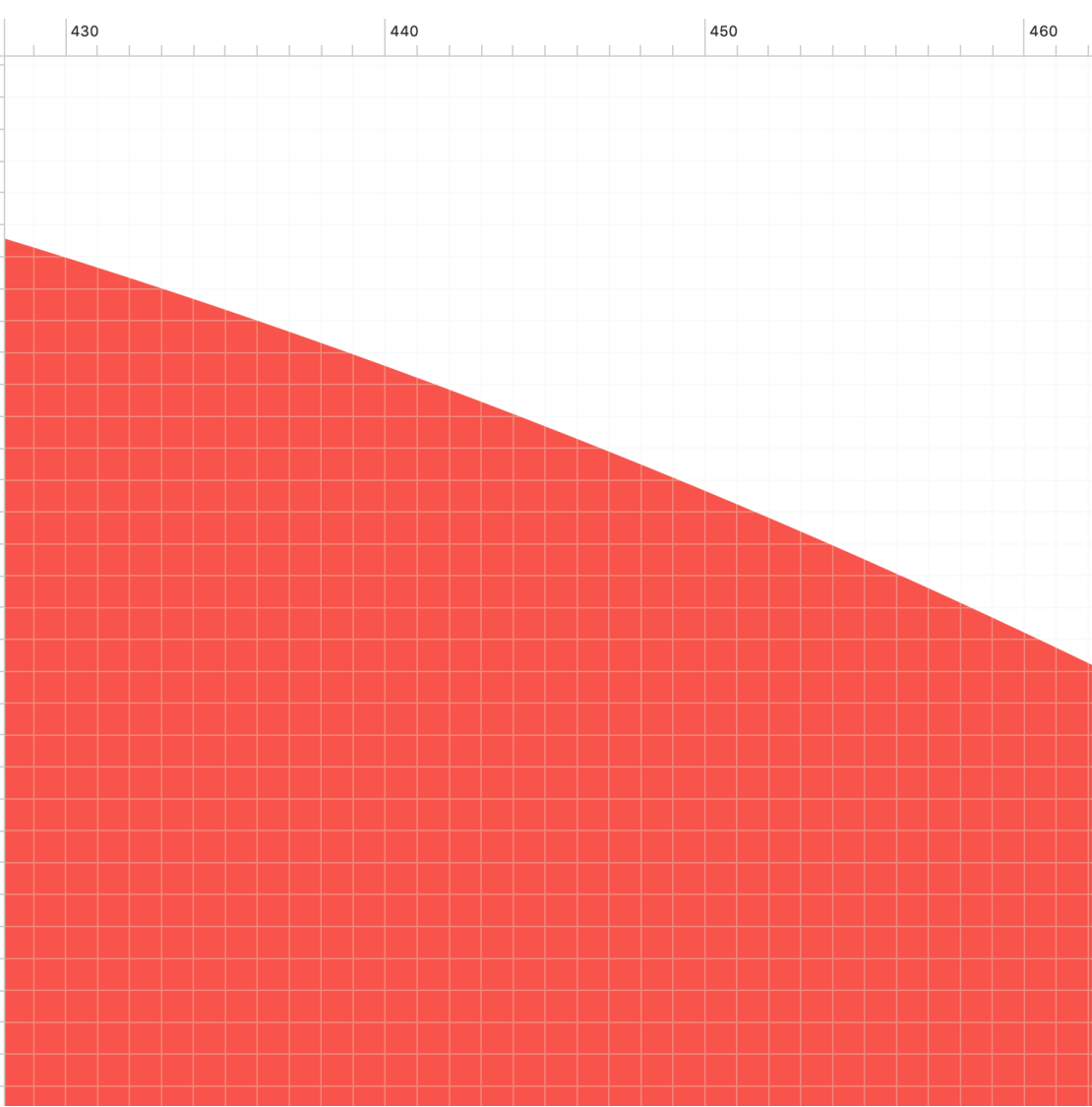


Each bucket contains 16 color values. Each cube contains bits, i.e. 0 or 1 where 0 corresponding to off and 1 corresponds to on.

## VECTOR VS BITMAPS



BITMAP



VECTOR

## HOW IS DATA STORED?

In sketch, only the locations of the main anchor points and the style of the graphical image, in this case path is stored.

Location includes the page it is on, the exact mapping of each anchor point the fill, fill rule, stroke, stroke width etc.

## WHAT IS THE SHAPE OF DATA?

The shape of the data is defined as path, line etc. There is an option to show pixels on zoom, which gives an exact idea of the size and the different colors each pixel is broken down into.