Math for how many LEDs assuming it is a 7ledsx7leds block

ledStripCount = 2,744

Int array[56][49];

// write addresses in a 2d array instead of snaking around

for( i = 0; i < ledStrips; i++)

RGB from sensor = RGB of each 4ledx4led block

Inputs: R, G, B 255,255,255

<https://www.rapidtables.com/web/color/RGB_Color.html>

//Set pixel color

If (R > 200, G < 100, B <100), then set as color red (255,0,0)

If (R < 100, G > 200, B <100), then set as color green (0, 255, 0)

If (R < 100, G < 100, B > 200), then set as color blue (0, 0, 255)

If (R > 200, G < 100, B > 200)around this range, magenta (255,0,255)

If (R > 200, G > 200, B < 100), yellow (255,255,0)

If (R < 100, G > 200, B > 200) around this range, cyan (0,255,255)

Write locations on a matrix

Get location of sensor in an array //input = 0

Assign sensor location to location on LED display (0, 4, 8…..) sensor address \* sizeOfSquare -> if sensor location > 7, then add 3 more rows to get the LED address

Function fill(), get LED address then add 3 across, 3 down and everything in between

Int arrayLedDisplay [0 1 2 3] [8 7 6 5] [9 10 11 12] [16 15 14 13]