```
/* MY PROJECT HAS 3  FILES
1)COLOR_DETECTION.PY (CODE)
2)COLORPIC.JPG (COLORFUL IMAGE)
3) COLOR.CSV (DATA SET)
*/
/*-------------------------------------------------------------------------------*/
/*-----COLOR_DETECTION.PY-----*/


# Dataset - https://github.com/codebrainz/color-names/blob/master/output/colors.csv

import cv2
import pandas as pd

img_path = r'C:\Users\user\Desktop\pmp\colorpic.jpg'
img = cv2.imread(img_path)

# declaring global variables (are used later on)
clicked = False
r = g = b = x_pos = y_pos = 0

# Reading csv file with pandas and giving names to each column
index = ["color", "color_name", "hex", "R", "G", "B"]
csv = pd.read_csv('colors.csv', names=index, header=None)


# function to calculate minimum distance from all colors and get the most matching color
def get_color_name(R, G, B):
    minimum = 10000
    for i in range(len(csv)):
        d = abs(R - int(csv.loc[i, "R"])) + abs(G - int(csv.loc[i, "G"])) + abs(B - int(csv.loc[i, "B"]))
        if d <= minimum:
            minimum = d
            cname = csv.loc[i, "color_name"]
    return cname


# function to get x,y coordinates of mouse double click
def draw_function(event, x, y, flags, param):
    if event == cv2.EVENT_LBUTTONDBLCLK:
        global b, g, r, x_pos, y_pos, clicked
        clicked = True
        x_pos = x
        y_pos = y
```

```python
        b, g, r = img[y, x]
        b = int(b)
        g = int(g)
        r = int(r)


cv2.namedWindow('image')
cv2.setMouseCallback('image', draw_function)

while True:

    cv2.imshow("image", img)
    if clicked:

        # cv2.rectangle(image, start point, endpoint, color, thickness)-1 fills entire rectangle
        cv2.rectangle(img, (20, 20), (750, 60), (b, g, r), -1)

        # Creating text string to display( Color name and RGB values )
        text = get_color_name(r, g, b) + ' R=' + str(r) + ' G=' + str(g) + ' B=' + str(b)

        # cv2.putText(img,text,start,font(0-7),fontScale,color,thickness,lineType )
        cv2.putText(img, text, (50, 50), 2, 0.8, (255, 255, 255), 2, cv2.LINE_AA)

        # For very light colours we will display text in black colour
        if r + g + b >= 600:
            cv2.putText(img, text, (50, 50), 2, 0.8, (0, 0, 0), 2, cv2.LINE_AA)

        clicked = False

    # Break the loop when user hits 'esc' key
    if cv2.waitKey(20) & 0xFF == 27:
        break

cv2.destroyAllWindows()


/*------------------------------------------------------------------------------*/
// colorpic.jpg
```

/*---*/

/*-------------------------------- color.csv——————————————————————————-*/
air_force_blue_raf,"Air Force Blue (Raf)",#5d8aa8,93,138,168
air_force_blue_usaf,"Air Force Blue (Usaf)",#00308f,0,48,143
air_superiority_blue,"Air Superiority Blue",#72a0c1,114,160,193
alabama_crimson,"Alabama Crimson",#a32638,163,38,56
alice_blue,"Alice Blue",#f0f8ff,240,248,255
alizarin_crimson,"Alizarin Crimson",#e32636,227,38,54
alloy_orange,"Alloy Orange",#c46210,196,98,16
almond,"Almond",#efdecd,239,222,205
amaranth,"Amaranth",#e52b50,229,43,80
amber,"Amber",#ffbf00,255,191,0
amber_sae_ece,"Amber (Sae/Ece)",#ff7e00,255,126,0
american_rose,"American Rose",#ff033e,255,3,62
amethyst,"Amethyst",#96c,153,102,204
android_green,"Android Green",#a4c639,164,198,57
anti_flash_white,"Anti-Flash White",#f2f3f4,242,243,244
antique_brass,"Antique Brass",#cd9575,205,149,117
antique_fuchsia,"Antique Fuchsia",#915c83,145,92,131
antique_ruby,"Antique Ruby",#841b2d,132,27,45

antique_white,"Antique White",#faebd7,250,235,215
ao_english,"Ao (English)",#008000,0,128,0
apple_green,"Apple Green",#8db600,141,182,0
apricot,"Apricot",#fbceb1,251,206,177
aqua,"Aqua",#0ff,0,255,255
aquamarine,"Aquamarine",#7fffd4,127,255,212
army_green,"Army Green",#4b5320,75,83,32
arsenic,"Arsenic",#3b444b,59,68,75
arylide_yellow,"Arylide Yellow",#e9d66b,233,214,107
ash_grey,"Ash Grey",#b2beb5,178,190,181
asparagus,"Asparagus",#87a96b,135,169,107
atomic_tangerine,"Atomic Tangerine",#f96,255,153,102
auburn,"Auburn",#a52a2a,165,42,42
aureolin,"Aureolin",#fdee00,253,238,0
aurometalsaurus,"Aurometalsaurus",#6e7f80,110,127,128
avocado,"Avocado",#568203,86,130,3
azure,"Azure",#007fff,0,127,255
azure_mist_web,"Azure Mist/Web",#f0ffff,240,255,255
baby_blue,"Baby Blue",#89cff0,137,207,240
baby_blue_eyes,"Baby Blue Eyes",#a1caf1,161,202,241
baby_pink,"Baby Pink",#f4c2c2,244,194,194
ball_blue,"Ball Blue",#21abcd,33,171,205
banana_mania,"Banana Mania",#fae7b5,250,231,181
banana_yellow,"Banana Yellow",#ffe135,255,225,53
barn_red,"Barn Red",#7c0a02,124,10,2
battleship_grey,"Battleship Grey",#848482,132,132,130
bazaar,"Bazaar",#98777b,152,119,123
beau_blue,"Beau Blue",#bcd4e6,188,212,230
beaver,"Beaver",#9f8170,159,129,112
beige,"Beige",#f5f5dc,245,245,220
big_dip_o_ruby,"Big Dip O'Ruby",#9c2542,156,37,66
bisque,"Bisque",#ffe4c4,255,228,196
bistre,"Bistre",#3d2b1f,61,43,31
bittersweet,"Bittersweet",#fe6f5e,254,111,94
bittersweet_shimmer,"Bittersweet Shimmer",#bf4f51,191,79,81
black,"Black",#000,0,0,0
black_bean,"Black Bean",#3d0c02,61,12,2
black_leather_jacket,"Black Leather Jacket",#253529,37,53,41
black_olive,"Black Olive",#3b3c36,59,60,54
blanched_almond,"Blanched Almond",#ffebcd,255,235,205
blast_off_bronze,"Blast-Off Bronze",#a57164,165,113,100
bleu_de_france,"Bleu De France",#318ce7,49,140,231
blizzard_blue,"Blizzard Blue",#ace5ee,172,229,238
blond,"Blond",#faf0be,250,240,190

blue,"Blue",#00f,0,0,255
blue_bell,"Blue Bell",#a2a2d0,162,162,208
blue_crayola,"Blue (Crayola)",#1f75fe,31,117,254
blue_gray,"Blue Gray",#69c,102,153,204
blue_green,"Blue-Green",#0d98ba,13,152,186
blue_munsell,"Blue (Munsell)",#0093af,0,147,175
blue_ncs,"Blue (Ncs)",#0087bd,0,135,189
blue_pigment,"Blue (Pigment)",#339,51,51,153
blue_ryb,"Blue (Ryb)",#0247fe,2,71,254
blue_sapphire,"Blue Sapphire",#126180,18,97,128
blue_violet,"Blue-Violet",#8a2be2,138,43,226
blush,"Blush",#de5d83,222,93,131
bole,"Bole",#79443b,121,68,59
bondi_blue,"Bondi Blue",#0095b6,0,149,182
bone,"Bone",#e3dac9,227,218,201
boston_university_red,"Boston University Red",#c00,204,0,0
bottle_green,"Bottle Green",#006a4e,0,106,78
boysenberry,"Boysenberry",#873260,135,50,96
brandeis_blue,"Brandeis Blue",#0070ff,0,112,255
brass,"Brass",#b5a642,181,166,66
brick_red,"Brick Red",#cb4154,203,65,84
bright_cerulean,"Bright Cerulean",#1dacd6,29,172,214
bright_green,"Bright Green",#6f0,102,255,0
bright_lavender,"Bright Lavender",#bf94e4,191,148,228
bright_maroon,"Bright Maroon",#c32148,195,33,72
bright_pink,"Bright Pink",#ff007f,255,0,127
bright_turquoise,"Bright Turquoise",#08e8de,8,232,222
bright_ube,"Bright Ube",#d19fe8,209,159,232
brilliant_lavender,"Brilliant Lavender",#f4bbff,244,187,255
brilliant_rose,"Brilliant Rose",#ff55a3,255,85,163
brink_pink,"Brink Pink",#fb607f,251,96,127
british_racing_green,"British Racing Green",#004225,0,66,37
bronze,"Bronze",#cd7f32,205,127,50
brown_traditional,"Brown (Traditional)",#964b00,150,75,0
brown_web,"Brown (Web)",#a52a2a,165,42,42
bubble_gum,"Bubble Gum",#ffc1cc,255,193,204
bubbles,"Bubbles",#e7feff,231,254,255
buff,"Buff",#f0dc82,240,220,130
bulgarian_rose,"Bulgarian Rose",#480607,72,6,7
burgundy,"Burgundy",#800020,128,0,32
burlywood,"Burlywood",#deb887,222,184,135
burnt_orange,"Burnt Orange",#c50,204,85,0
burnt_sienna,"Burnt Sienna",#e97451,233,116,81
burnt_umber,"Burnt Umber",#8a3324,138,51,36

byzantine,"Byzantine",#bd33a4,189,51,164
byzantium,"Byzantium",#702963,112,41,99
cadet,"Cadet",#536872,83,104,114
cadet_blue,"Cadet Blue",#5f9ea0,95,158,160
cadet_grey,"Cadet Grey",#91a3b0,145,163,176
cadmium_green,"Cadmium Green",#006b3c,0,107,60
cadmium_orange,"Cadmium Orange",#ed872d,237,135,45
cadmium_red,"Cadmium Red",#e30022,227,0,34
cadmium_yellow,"Cadmium Yellow",#fff600,255,246,0
caf_au_lait,"Café Au Lait",#a67b5b,166,123,91
caf_noir,"Café Noir",#4b3621,75,54,33
cal_poly_green,"Cal Poly Green",#1e4d2b,30,77,43
cambridge_blue,"Cambridge Blue",#a3c1ad,163,193,173
camel,"Camel",#c19a6b,193,154,107
cameo_pink,"Cameo Pink",#efbbcc,239,187,204
camouflage_green,"Camouflage Green",#78866b,120,134,107
canary_yellow,"Canary Yellow",#ffef00,255,239,0
candy_apple_red,"Candy Apple Red",#ff0800,255,8,0
candy_pink,"Candy Pink",#e4717a,228,113,122
capri,"Capri",#00bfff,0,191,255
caput_mortuum,"Caput Mortuum",#592720,89,39,32
cardinal,"Cardinal",#c41e3a,196,30,58
caribbean_green,"Caribbean Green",#0c9,0,204,153
carmine,"Carmine",#960018,150,0,24
carmine_m_p,"Carmine (M&P)",#d70040,215,0,64
carmine_pink,"Carmine Pink",#eb4c42,235,76,66
carmine_red,"Carmine Red",#ff0038,255,0,56
carnation_pink,"Carnation Pink",#ffa6c9,255,166,201
carnelian,"Carnelian",#b31b1b,179,27,27
carolina_blue,"Carolina Blue",#99badd,153,186,221
carrot_orange,"Carrot Orange",#ed9121,237,145,33
catalina_blue,"Catalina Blue",#062a78,6,42,120
ceil,"Ceil",#92a1cf,146,161,207
celadon,"Celadon",#ace1af,172,225,175
celadon_blue,"Celadon Blue",#007ba7,0,123,167
celadon_green,"Celadon Green",#2f847c,47,132,124
celeste_colour,"Celeste (Colour)",#b2ffff,178,255,255
celestial_blue,"Celestial Blue",#4997d0,73,151,208
cerise,"Cerise",#de3163,222,49,99
cerise_pink,"Cerise Pink",#ec3b83,236,59,131
cerulean,"Cerulean",#007ba7,0,123,167
cerulean_blue,"Cerulean Blue",#2a52be,42,82,190
cerulean_frost,"Cerulean Frost",#6d9bc3,109,155,195
cg_blue,"Cg Blue",#007aa5,0,122,165

cg_red,"Cg Red",#e03c31,224,60,49
chamoisee,"Chamoisee",#a0785a,160,120,90
champagne,"Champagne",#fad6a5,250,214,165
charcoal,"Charcoal",#36454f,54,69,79
charm_pink,"Charm Pink",#e68fac,230,143,172
chartreuse_traditional,"Chartreuse (Traditional)",#dfff00,223,255,0
chartreuse_web,"Chartreuse (Web)",#7fff00,127,255,0
cherry,"Cherry",#de3163,222,49,99
cherry_blossom_pink,"Cherry Blossom Pink",#ffb7c5,255,183,197
chestnut,"Chestnut",#cd5c5c,205,92,92
china_pink,"China Pink",#de6fa1,222,111,161
china_rose,"China Rose",#a8516e,168,81,110
chinese_red,"Chinese Red",#aa381e,170,56,30
chocolate_traditional,"Chocolate (Traditional)",#7b3f00,123,63,0
chocolate_web,"Chocolate (Web)",#d2691e,210,105,30
chrome_yellow,"Chrome Yellow",#ffa700,255,167,0
cinereous,"Cinereous",#98817b,152,129,123
cinnabar,"Cinnabar",#e34234,227,66,52
cinnamon,"Cinnamon",#d2691e,210,105,30
citrine,"Citrine",#e4d00a,228,208,10
classic_rose,"Classic Rose",#fbcce7,251,204,231
cobalt,"Cobalt",#0047ab,0,71,171
cocoa_brown,"Cocoa Brown",#d2691e,210,105,30
coffee,"Coffee",#6f4e37,111,78,55
columbia_blue,"Columbia Blue",#9bddff,155,221,255
congo_pink,"Congo Pink",#f88379,248,131,121
cool_black,"Cool Black",#002e63,0,46,99
cool_grey,"Cool Grey",#8c92ac,140,146,172
copper,"Copper",#b87333,184,115,51
copper_crayola,"Copper (Crayola)",#da8a67,218,138,103
copper_penny,"Copper Penny",#ad6f69,173,111,105
copper_red,"Copper Red",#cb6d51,203,109,81
copper_rose,"Copper Rose",#966,153,102,102
coquelicot,"Coquelicot",#ff3800,255,56,0
coral,"Coral",#ff7f50,255,127,80
coral_pink,"Coral Pink",#f88379,248,131,121
coral_red,"Coral Red",#ff4040,255,64,64
cordovan,"Cordovan",#893f45,137,63,69
corn,"Corn",#fbec5d,251,236,93
cornell_red,"Cornell Red",#b31b1b,179,27,27
cornflower_blue,"Cornflower Blue",#6495ed,100,149,237
cornsilk,"Cornsilk",#fff8dc,255,248,220
cosmic_latte,"Cosmic Latte",#fff8e7,255,248,231
cotton_candy,"Cotton Candy",#ffbcd9,255,188,217

cream,"Cream",#fffdd0,255,253,208
crimson,"Crimson",#dc143c,220,20,60
crimson_glory,"Crimson Glory",#be0032,190,0,50
cyan,"Cyan",#0ff,0,255,255
cyan_process,"Cyan (Process)",#00b7eb,0,183,235
daffodil,"Daffodil",#ffff31,255,255,49
dandelion,"Dandelion",#f0e130,240,225,48
dark_blue,"Dark Blue",#00008b,0,0,139
dark_brown,"Dark Brown",#654321,101,67,33
dark_byzantium,"Dark Byzantium",#5d3954,93,57,84
dark_candy_apple_red,"Dark Candy Apple Red",#a40000,164,0,0
dark_cerulean,"Dark Cerulean",#08457e,8,69,126
dark_chestnut,"Dark Chestnut",#986960,152,105,96
dark_coral,"Dark Coral",#cd5b45,205,91,69
dark_cyan,"Dark Cyan",#008b8b,0,139,139
dark_electric_blue,"Dark Electric Blue",#536878,83,104,120
dark_goldenrod,"Dark Goldenrod",#b8860b,184,134,11
dark_gray,"Dark Gray",#a9a9a9,169,169,169
dark_green,"Dark Green",#013220,1,50,32
dark_imperial_blue,"Dark Imperial Blue",#00416a,0,65,106
dark_jungle_green,"Dark Jungle Green",#1a2421,26,36,33
dark_khaki,"Dark Khaki",#bdb76b,189,183,107
dark_lava,"Dark Lava",#483c32,72,60,50
dark_lavender,"Dark Lavender",#734f96,115,79,150
dark_magenta,"Dark Magenta",#8b008b,139,0,139
dark_midnight_blue,"Dark Midnight Blue",#036,0,51,102
dark_olive_green,"Dark Olive Green",#556b2f,85,107,47
dark_orange,"Dark Orange",#ff8c00,255,140,0
dark_orchid,"Dark Orchid",#9932cc,153,50,204
dark_pastel_blue,"Dark Pastel Blue",#779ecb,119,158,203
dark_pastel_green,"Dark Pastel Green",#03c03c,3,192,60
dark_pastel_purple,"Dark Pastel Purple",#966fd6,150,111,214
dark_pastel_red,"Dark Pastel Red",#c23b22,194,59,34
dark_pink,"Dark Pink",#e75480,231,84,128
dark_powder_blue,"Dark Powder Blue",#039,0,51,153
dark_raspberry,"Dark Raspberry",#872657,135,38,87
dark_red,"Dark Red",#8b0000,139,0,0
dark_salmon,"Dark Salmon",#e9967a,233,150,122
dark_scarlet,"Dark Scarlet",#560319,86,3,25
dark_sea_green,"Dark Sea Green",#8fbc8f,143,188,143
dark_sienna,"Dark Sienna",#3c1414,60,20,20
dark_slate_blue,"Dark Slate Blue",#483d8b,72,61,139
dark_slate_gray,"Dark Slate Gray",#2f4f4f,47,79,79
dark_spring_green,"Dark Spring Green",#177245,23,114,69

dark_tan,"Dark Tan",#918151,145,129,81
dark_tangerine,"Dark Tangerine",#ffa812,255,168,18
dark_taupe,"Dark Taupe",#483c32,72,60,50
dark_terra_cotta,"Dark Terra Cotta",#cc4e5c,204,78,92
dark_turquoise,"Dark Turquoise",#00ced1,0,206,209
dark_violet,"Dark Violet",#9400d3,148,0,211
dark_yellow,"Dark Yellow",#9b870c,155,135,12
dartmouth_green,"Dartmouth Green",#00703c,0,112,60
davy_s_grey,"Davy'S Grey",#555,85,85,85
debian_red,"Debian Red",#d70a53,215,10,83
deep_carmine,"Deep Carmine",#a9203e,169,32,62
deep_carmine_pink,"Deep Carmine Pink",#ef3038,239,48,56
deep_carrot_orange,"Deep Carrot Orange",#e9692c,233,105,44
deep_cerise,"Deep Cerise",#da3287,218,50,135
deep_champagne,"Deep Champagne",#fad6a5,250,214,165
deep_chestnut,"Deep Chestnut",#b94e48,185,78,72
deep_coffee,"Deep Coffee",#704241,112,66,65
deep_fuchsia,"Deep Fuchsia",#c154c1,193,84,193
deep_jungle_green,"Deep Jungle Green",#004b49,0,75,73
deep_lilac,"Deep Lilac",#95b,153,85,187
deep_magenta,"Deep Magenta",#c0c,204,0,204
deep_peach,"Deep Peach",#ffcba4,255,203,164
deep_pink,"Deep Pink",#ff1493,255,20,147
deep_ruby,"Deep Ruby",#843f5b,132,63,91
deep_saffron,"Deep Saffron",#f93,255,153,51
deep_sky_blue,"Deep Sky Blue",#00bfff,0,191,255
deep_tuscan_red,"Deep Tuscan Red",#66424d,102,66,77
denim,"Denim",#1560bd,21,96,189
desert,"Desert",#c19a6b,193,154,107
desert_sand,"Desert Sand",#edc9af,237,201,175
dim_gray,"Dim Gray",#696969,105,105,105
dodger_blue,"Dodger Blue",#1e90ff,30,144,255
dogwood_rose,"Dogwood Rose",#d71868,215,24,104
dollar_bill,"Dollar Bill",#85bb65,133,187,101
drab,"Drab",#967117,150,113,23
duke_blue,"Duke Blue",#00009c,0,0,156
earth_yellow,"Earth Yellow",#e1a95f,225,169,95
ebony,"Ebony",#555d50,85,93,80
ecru,"Ecru",#c2b280,194,178,128
eggplant,"Eggplant",#614051,97,64,81
eggshell,"Eggshell",#f0ead6,240,234,214
egyptian_blue,"Egyptian Blue",#1034a6,16,52,166
electric_blue,"Electric Blue",#7df9ff,125,249,255
electric_crimson,"Electric Crimson",#ff003f,255,0,63

electric_cyan,"Electric Cyan",#0ff,0,255,255
electric_green,"Electric Green",#0f0,0,255,0
electric_indigo,"Electric Indigo",#6f00ff,111,0,255
electric_lavender,"Electric Lavender",#f4bbff,244,187,255
electric_lime,"Electric Lime",#cf0,204,255,0
electric_purple,"Electric Purple",#bf00ff,191,0,255
electric_ultramarine,"Electric Ultramarine",#3f00ff,63,0,255
electric_violet,"Electric Violet",#8f00ff,143,0,255
electric_yellow,"Electric Yellow",#ff0,255,255,0
emerald,"Emerald",#50c878,80,200,120
english_lavender,"English Lavender",#b48395,180,131,149
eton_blue,"Eton Blue",#96c8a2,150,200,162
fallow,"Fallow",#c19a6b,193,154,107
falu_red,"Falu Red",#801818,128,24,24
fandango,"Fandango",#b53389,181,51,137
fashion_fuchsia,"Fashion Fuchsia",#f400a1,244,0,161
fawn,"Fawn",#e5aa70,229,170,112
feldgrau,"Feldgrau",#4d5d53,77,93,83
fern_green,"Fern Green",#4f7942,79,121,66
ferrari_red,"Ferrari Red",#ff2800,255,40,0
field_drab,"Field Drab",#6c541e,108,84,30
fire_engine_red,"Fire Engine Red",#ce2029,206,32,41
firebrick,"Firebrick",#b22222,178,34,34
flame,"Flame",#e25822,226,88,34
flamingo_pink,"Flamingo Pink",#fc8eac,252,142,172
flavescent,"Flavescent",#f7e98e,247,233,142
flax,"Flax",#eedc82,238,220,130
floral_white,"Floral White",#fffaf0,255,250,240
fluorescent_orange,"Fluorescent Orange",#ffbf00,255,191,0
fluorescent_pink,"Fluorescent Pink",#ff1493,255,20,147
fluorescent_yellow,"Fluorescent Yellow",#cf0,204,255,0
folly,"Folly",#ff004f,255,0,79
forest_green_traditional,"Forest Green (Traditional)",#014421,1,68,33
forest_green_web,"Forest Green (Web)",#228b22,34,139,34
french_beige,"French Beige",#a67b5b,166,123,91
french_blue,"French Blue",#0072bb,0,114,187
french_lilac,"French Lilac",#86608e,134,96,142
french_lime,"French Lime",#cf0,204,255,0
french_raspberry,"French Raspberry",#c72c48,199,44,72
french_rose,"French Rose",#f64a8a,246,74,138
fuchsia,"Fuchsia",#f0f,255,0,255
fuchsia_crayola,"Fuchsia (Crayola)",#c154c1,193,84,193
fuchsia_pink,"Fuchsia Pink",#f7f,255,119,255
fuchsia_rose,"Fuchsia Rose",#c74375,199,67,117

fulvous,"Fulvous",#e48400,228,132,0
fuzzy_wuzzy,"Fuzzy Wuzzy",#c66,204,102,102
gainsboro,"Gainsboro",#dcdcdc,220,220,220
gamboge,"Gamboge",#e49b0f,228,155,15
ghost_white,"Ghost White",#f8f8ff,248,248,255
ginger,"Ginger",#b06500,176,101,0
glaucous,"Glaucous",#6082b6,96,130,182
glitter,"Glitter",#e6e8fa,230,232,250
gold_metallic,"Gold (Metallic)",#d4af37,212,175,55
gold_web_golden,"Gold (Web) (Golden)",#ffd700,255,215,0
golden_brown,"Golden Brown",#996515,153,101,21
golden_poppy,"Golden Poppy",#fcc200,252,194,0
golden_yellow,"Golden Yellow",#ffdf00,255,223,0
goldenrod,"Goldenrod",#daa520,218,165,32
granny_smith_apple,"Granny Smith Apple",#a8e4a0,168,228,160
gray,"Gray",#808080,128,128,128
gray_asparagus,"Gray-Asparagus",#465945,70,89,69
gray_html_css_gray,"Gray (Html/Css Gray)",#808080,128,128,128
gray_x11_gray,"Gray (X11 Gray)",#bebebe,190,190,190
green_color_wheel_x11_green,"Green (Color Wheel) (X11 Green)",#0f0,0,255,0
green_crayola,"Green (Crayola)",#1cac78,28,172,120
green_html_css_green,"Green (Html/Css Green)",#008000,0,128,0
green_munsell,"Green (Munsell)",#00a877,0,168,119
green_ncs,"Green (Ncs)",#009f6b,0,159,107
green_pigment,"Green (Pigment)",#00a550,0,165,80
green_ryb,"Green (Ryb)",#66b032,102,176,50
green_yellow,"Green-Yellow",#adff2f,173,255,47
grullo,"Grullo",#a99a86,169,154,134
guppie_green,"Guppie Green",#00ff7f,0,255,127
halay_be,"Halayà úBe",#663854,102,56,84
han_blue,"Han Blue",#446ccf,68,108,207
han_purple,"Han Purple",#5218fa,82,24,250
hansa_yellow,"Hansa Yellow",#e9d66b,233,214,107
harlequin,"Harlequin",#3fff00,63,255,0
harvard_crimson,"Harvard Crimson",#c90016,201,0,22
harvest_gold,"Harvest Gold",#da9100,218,145,0
heart_gold,"Heart Gold",#808000,128,128,0
heliotrope,"Heliotrope",#df73ff,223,115,255
hollywood_cerise,"Hollywood Cerise",#f400a1,244,0,161
honeydew,"Honeydew",#f0fff0,240,255,240
honolulu_blue,"Honolulu Blue",#007fbf,0,127,191
hooker_s_green,"Hooker'S Green",#49796b,73,121,107
hot_magenta,"Hot Magenta",#ff1dce,255,29,206
hot_pink,"Hot Pink",#ff69b4,255,105,180

hunter_green,"Hunter Green",#355e3b,53,94,59
iceberg,"Iceberg",#71a6d2,113,166,210
icterine,"Icterine",#fcf75e,252,247,94
imperial_blue,"Imperial Blue",#002395,0,35,149
inchworm,"Inchworm",#b2ec5d,178,236,93
india_green,"India Green",#138808,19,136,8
indian_red,"Indian Red",#cd5c5c,205,92,92
indian_yellow,"Indian Yellow",#e3a857,227,168,87
indigo,"Indigo",#6f00ff,111,0,255
indigo_dye,"Indigo (Dye)",#00416a,0,65,106
indigo_web,"Indigo (Web)",#4b0082,75,0,130
international_klein_blue,"International Klein Blue",#002fa7,0,47,167
international_orange_aerospace,"International Orange (Aerospace)",#ff4f00,255,79,0
international_orange_engineering,"International Orange (Engineering)",#ba160c,186,22,12
international_orange_golden_gate_bridge,"International Orange (Golden Gate Bridge)",#c0362c,192,54,44
iris,"Iris",#5a4fcf,90,79,207
isabelline,"Isabelline",#f4f0ec,244,240,236
islamic_green,"Islamic Green",#009000,0,144,0
ivory,"Ivory",#fffff0,255,255,240
jade,"Jade",#00a86b,0,168,107
jasmine,"Jasmine",#f8de7e,248,222,126
jasper,"Jasper",#d73b3e,215,59,62
jazzberry_jam,"Jazzberry Jam",#a50b5e,165,11,94
jet,"Jet",#343434,52,52,52
jonquil,"Jonquil",#fada5e,250,218,94
june_bud,"June Bud",#bdda57,189,218,87
jungle_green,"Jungle Green",#29ab87,41,171,135
kelly_green,"Kelly Green",#4cbb17,76,187,23
kenyan_copper,"Kenyan Copper",#7c1c05,124,28,5
khaki_html_css_khaki,"Khaki (Html/Css) (Khaki)",#c3b091,195,176,145
khaki_x11_light_khaki,"Khaki (X11) (Light Khaki)",#f0e68c,240,230,140
ku_crimson,"Ku Crimson",#e8000d,232,0,13
la_salle_green,"La Salle Green",#087830,8,120,48
languid_lavender,"Languid Lavender",#d6cadd,214,202,221
lapis_lazuli,"Lapis Lazuli",#26619c,38,97,156
laser_lemon,"Laser Lemon",#fefe22,254,254,34
laurel_green,"Laurel Green",#a9ba9d,169,186,157
lava,"Lava",#cf1020,207,16,32
lavender_blue,"Lavender Blue",#ccf,204,204,255
lavender_blush,"Lavender Blush",#fff0f5,255,240,245
lavender_floral,"Lavender (Floral)",#b57edc,181,126,220
lavender_gray,"Lavender Gray",#c4c3d0,196,195,208
lavender_indigo,"Lavender Indigo",#9457eb,148,87,235

lavender_magenta,"Lavender Magenta",#ee82ee,238,130,238
lavender_mist,"Lavender Mist",#e6e6fa,230,230,250
lavender_pink,"Lavender Pink",#fbaed2,251,174,210
lavender_purple,"Lavender Purple",#967bb6,150,123,182
lavender_rose,"Lavender Rose",#fba0e3,251,160,227
lavender_web,"Lavender (Web)",#e6e6fa,230,230,250
lawn_green,"Lawn Green",#7cfc00,124,252,0
lemon,"Lemon",#fff700,255,247,0
lemon_chiffon,"Lemon Chiffon",#fffacd,255,250,205
lemon_lime,"Lemon Lime",#e3ff00,227,255,0
licorice,"Licorice",#1a1110,26,17,16
light_apricot,"Light Apricot",#fdd5b1,253,213,177
light_blue,"Light Blue",#add8e6,173,216,230
light_brown,"Light Brown",#b5651d,181,101,29
light_carmine_pink,"Light Carmine Pink",#e66771,230,103,113
light_coral,"Light Coral",#f08080,240,128,128
light_cornflower_blue,"Light Cornflower Blue",#93ccea,147,204,234
light_crimson,"Light Crimson",#f56991,245,105,145
light_cyan,"Light Cyan",#e0ffff,224,255,255
light_fuchsia_pink,"Light Fuchsia Pink",#f984ef,249,132,239
light_goldenrod_yellow,"Light Goldenrod Yellow",#fafad2,250,250,210
light_gray,"Light Gray",#d3d3d3,211,211,211
light_green,"Light Green",#90ee90,144,238,144
light_khaki,"Light Khaki",#f0e68c,240,230,140
light_pastel_purple,"Light Pastel Purple",#b19cd9,177,156,217
light_pink,"Light Pink",#ffb6c1,255,182,193
light_red_ochre,"Light Red Ochre",#e97451,233,116,81
light_salmon,"Light Salmon",#ffa07a,255,160,122
light_salmon_pink,"Light Salmon Pink",#f99,255,153,153
light_sea_green,"Light Sea Green",#20b2aa,32,178,170
light_sky_blue,"Light Sky Blue",#87cefa,135,206,250
light_slate_gray,"Light Slate Gray",#789,119,136,153
light_taupe,"Light Taupe",#b38b6d,179,139,109
light_thulian_pink,"Light Thulian Pink",#e68fac,230,143,172
light_yellow,"Light Yellow",#ffffe0,255,255,224
lilac,"Lilac",#c8a2c8,200,162,200
lime_color_wheel,"Lime (Color Wheel)",#bfff00,191,255,0
lime_green,"Lime Green",#32cd32,50,205,50
lime_web_x11_green,"Lime (Web) (X11 Green)",#0f0,0,255,0
limerick,"Limerick",#9dc209,157,194,9
lincoln_green,"Lincoln Green",#195905,25,89,5
linen,"Linen",#faf0e6,250,240,230
lion,"Lion",#c19a6b,193,154,107
little_boy_blue,"Little Boy Blue",#6ca0dc,108,160,220

liver,"Liver",#534b4f,83,75,79
lust,"Lust",#e62020,230,32,32
magenta,"Magenta",#f0f,255,0,255
magenta_dye,"Magenta (Dye)",#ca1f7b,202,31,123
magenta_process,"Magenta (Process)",#ff0090,255,0,144
magic_mint,"Magic Mint",#aaf0d1,170,240,209
magnolia,"Magnolia",#f8f4ff,248,244,255
mahogany,"Mahogany",#c04000,192,64,0
maize,"Maize",#fbec5d,251,236,93
majorelle_blue,"Majorelle Blue",#6050dc,96,80,220
malachite,"Malachite",#0bda51,11,218,81
manatee,"Manatee",#979aaa,151,154,170
mango_tango,"Mango Tango",#ff8243,255,130,67
mantis,"Mantis",#74c365,116,195,101
mardi_gras,"Mardi Gras",#880085,136,0,133
maroon_crayola,"Maroon (Crayola)",#c32148,195,33,72
maroon_html_css,"Maroon (Html/Css)",#800000,128,0,0
maroon_x11,"Maroon (X11)",#b03060,176,48,96
mauve,"Mauve",#e0b0ff,224,176,255
mauve_taupe,"Mauve Taupe",#915f6d,145,95,109
mauvelous,"Mauvelous",#ef98aa,239,152,170
maya_blue,"Maya Blue",#73c2fb,115,194,251
meat_brown,"Meat Brown",#e5b73b,229,183,59
medium_aquamarine,"Medium Aquamarine",#6da,102,221,170
medium_blue,"Medium Blue",#0000cd,0,0,205
medium_candy_apple_red,"Medium Candy Apple Red",#e2062c,226,6,44
medium_carmine,"Medium Carmine",#af4035,175,64,53
medium_champagne,"Medium Champagne",#f3e5ab,243,229,171
medium_electric_blue,"Medium Electric Blue",#035096,3,80,150
medium_jungle_green,"Medium Jungle Green",#1c352d,28,53,45
medium_lavender_magenta,"Medium Lavender Magenta",#dda0dd,221,160,221
medium_orchid,"Medium Orchid",#ba55d3,186,85,211
medium_persian_blue,"Medium Persian Blue",#0067a5,0,103,165
medium_purple,"Medium Purple",#9370db,147,112,219
medium_red_violet,"Medium Red-Violet",#bb3385,187,51,133
medium_ruby,"Medium Ruby",#aa4069,170,64,105
medium_sea_green,"Medium Sea Green",#3cb371,60,179,113
medium_slate_blue,"Medium Slate Blue",#7b68ee,123,104,238
medium_spring_bud,"Medium Spring Bud",#c9dc87,201,220,135
medium_spring_green,"Medium Spring Green",#00fa9a,0,250,154
medium_taupe,"Medium Taupe",#674c47,103,76,71
medium_turquoise,"Medium Turquoise",#48d1cc,72,209,204
medium_tuscan_red,"Medium Tuscan Red",#79443b,121,68,59
medium_vermilion,"Medium Vermilion",#d9603b,217,96,59

medium_violet_red,"Medium Violet-Red",#c71585,199,21,133
mellow_apricot,"Mellow Apricot",#f8b878,248,184,120
mellow_yellow,"Mellow Yellow",#f8de7e,248,222,126
melon,"Melon",#fdbcb4,253,188,180
midnight_blue,"Midnight Blue",#191970,25,25,112
midnight_green_eagle_green,"Midnight Green (Eagle Green)",#004953,0,73,83
mikado_yellow,"Mikado Yellow",#ffc40c,255,196,12
mint,"Mint",#3eb489,62,180,137
mint_cream,"Mint Cream",#f5fffa,245,255,250
mint_green,"Mint Green",#98ff98,152,255,152
misty_rose,"Misty Rose",#ffe4e1,255,228,225
moccasin,"Moccasin",#faebd7,250,235,215
mode_beige,"Mode Beige",#967117,150,113,23
moonstone_blue,"Moonstone Blue",#73a9c2,115,169,194
mordant_red_19,"Mordant Red 19",#ae0c00,174,12,0
moss_green,"Moss Green",#addfad,173,223,173
mountain_meadow,"Mountain Meadow",#30ba8f,48,186,143
mountbatten_pink,"Mountbatten Pink",#997a8d,153,122,141
msu_green,"Msu Green",#18453b,24,69,59
mulberry,"Mulberry",#c54b8c,197,75,140
mustard,"Mustard",#ffdb58,255,219,88
myrtle,"Myrtle",#21421e,33,66,30
nadeshiko_pink,"Nadeshiko Pink",#f6adc6,246,173,198
napier_green,"Napier Green",#2a8000,42,128,0
naples_yellow,"Naples Yellow",#fada5e,250,218,94
navajo_white,"Navajo White",#ffdead,255,222,173
navy_blue,"Navy Blue",#000080,0,0,128
neon_carrot,"Neon Carrot",#ffa343,255,163,67
neon_fuchsia,"Neon Fuchsia",#fe4164,254,65,100
neon_green,"Neon Green",#39ff14,57,255,20
new_york_pink,"New York Pink",#d7837f,215,131,127
non_photo_blue,"Non-Photo Blue",#a4dded,164,221,237
north_texas_green,"North Texas Green",#059033,5,144,51
ocean_boat_blue,"Ocean Boat Blue",#0077be,0,119,190
ochre,"Ochre",#c72,204,119,34
office_green,"Office Green",#008000,0,128,0
old_gold,"Old Gold",#cfb53b,207,181,59
old_lace,"Old Lace",#fdf5e6,253,245,230
old_lavender,"Old Lavender",#796878,121,104,120
old_mauve,"Old Mauve",#673147,103,49,71
old_rose,"Old Rose",#c08081,192,128,129
olive,"Olive",#808000,128,128,0
olive_drab_7,"Olive Drab #7",#3c341f,60,52,31
olive_drab_web_olive_drab_3,"Olive Drab (Web) (Olive Drab #3)",#6b8e23,107,142,35

olivine,"Olivine",#9ab973,154,185,115
onyx,"Onyx",#353839,53,56,57
opera_mauve,"Opera Mauve",#b784a7,183,132,167
orange_color_wheel,"Orange (Color Wheel)",#ff7f00,255,127,0
orange_peel,"Orange Peel",#ff9f00,255,159,0
orange_red,"Orange-Red",#ff4500,255,69,0
orange_ryb,"Orange (Ryb)",#fb9902,251,153,2
orange_web_color,"Orange (Web Color)",#ffa500,255,165,0
orchid,"Orchid",#da70d6,218,112,214
otter_brown,"Otter Brown",#654321,101,67,33
ou_crimson_red,"Ou Crimson Red",#900,153,0,0
outer_space,"Outer Space",#414a4c,65,74,76
outrageous_orange,"Outrageous Orange",#ff6e4a,255,110,74
oxford_blue,"Oxford Blue",#002147,0,33,71
pakistan_green,"Pakistan Green",#060,0,102,0
palatinate_blue,"Palatinate Blue",#273be2,39,59,226
palatinate_purple,"Palatinate Purple",#682860,104,40,96
pale_aqua,"Pale Aqua",#bcd4e6,188,212,230
pale_blue,"Pale Blue",#afeeee,175,238,238
pale_brown,"Pale Brown",#987654,152,118,84
pale_carmine,"Pale Carmine",#af4035,175,64,53
pale_cerulean,"Pale Cerulean",#9bc4e2,155,196,226
pale_chestnut,"Pale Chestnut",#ddadaf,221,173,175
pale_copper,"Pale Copper",#da8a67,218,138,103
pale_cornflower_blue,"Pale Cornflower Blue",#abcdef,171,205,239
pale_gold,"Pale Gold",#e6be8a,230,190,138
pale_goldenrod,"Pale Goldenrod",#eee8aa,238,232,170
pale_green,"Pale Green",#98fb98,152,251,152
pale_lavender,"Pale Lavender",#dcd0ff,220,208,255
pale_magenta,"Pale Magenta",#f984e5,249,132,229
pale_pink,"Pale Pink",#fadadd,250,218,221
pale_plum,"Pale Plum",#dda0dd,221,160,221
pale_red_violet,"Pale Red-Violet",#db7093,219,112,147
pale_robin_egg_blue,"Pale Robin Egg Blue",#96ded1,150,222,209
pale_silver,"Pale Silver",#c9c0bb,201,192,187
pale_spring_bud,"Pale Spring Bud",#ecebbd,236,235,189
pale_taupe,"Pale Taupe",#bc987e,188,152,126
pale_violet_red,"Pale Violet-Red",#db7093,219,112,147
pansy_purple,"Pansy Purple",#78184a,120,24,74
papaya_whip,"Papaya Whip",#ffefd5,255,239,213
paris_green,"Paris Green",#50c878,80,200,120
pastel_blue,"Pastel Blue",#aec6cf,174,198,207
pastel_brown,"Pastel Brown",#836953,131,105,83
pastel_gray,"Pastel Gray",#cfcfc4,207,207,196

pastel_green,"Pastel Green",#7d7,119,221,119
pastel_magenta,"Pastel Magenta",#f49ac2,244,154,194
pastel_orange,"Pastel Orange",#ffb347,255,179,71
pastel_pink,"Pastel Pink",#dea5a4,222,165,164
pastel_purple,"Pastel Purple",#b39eb5,179,158,181
pastel_red,"Pastel Red",#ff6961,255,105,97
pastel_violet,"Pastel Violet",#cb99c9,203,153,201
pastel_yellow,"Pastel Yellow",#fdfd96,253,253,150
patriarch,"Patriarch",#800080,128,0,128
payne_s_grey,"Payne'S Grey",#536878,83,104,120
peach,"Peach",#ffe5b4,255,229,180
peach_crayola,"Peach (Crayola)",#ffcba4,255,203,164
peach_orange,"Peach-Orange",#fc9,255,204,153
peach_puff,"Peach Puff",#ffdab9,255,218,185
peach_yellow,"Peach-Yellow",#fadfad,250,223,173
pear,"Pear",#d1e231,209,226,49
pearl,"Pearl",#eae0c8,234,224,200
pearl_aqua,"Pearl Aqua",#88d8c0,136,216,192
pearly_purple,"Pearly Purple",#b768a2,183,104,162
peridot,"Peridot",#e6e200,230,226,0
periwinkle,"Periwinkle",#ccf,204,204,255
persian_blue,"Persian Blue",#1c39bb,28,57,187
persian_green,"Persian Green",#00a693,0,166,147
persian_indigo,"Persian Indigo",#32127a,50,18,122
persian_orange,"Persian Orange",#d99058,217,144,88
persian_pink,"Persian Pink",#f77fbe,247,127,190
persian_plum,"Persian Plum",#701c1c,112,28,28
persian_red,"Persian Red",#c33,204,51,51
persian_rose,"Persian Rose",#fe28a2,254,40,162
persimmon,"Persimmon",#ec5800,236,88,0
peru,"Peru",#cd853f,205,133,63
phlox,"Phlox",#df00ff,223,0,255
phthalo_blue,"Phthalo Blue",#000f89,0,15,137
phthalo_green,"Phthalo Green",#123524,18,53,36
piggy_pink,"Piggy Pink",#fddde6,253,221,230
pine_green,"Pine Green",#01796f,1,121,111
pink,"Pink",#ffc0cb,255,192,203
pink_lace,"Pink Lace",#ffddf4,255,221,244
pink_orange,"Pink-Orange",#f96,255,153,102
pink_pearl,"Pink Pearl",#e7accf,231,172,207
pink_sherbet,"Pink Sherbet",#f78fa7,247,143,167
pistachio,"Pistachio",#93c572,147,197,114
platinum,"Platinum",#e5e4e2,229,228,226
plum_traditional,"Plum (Traditional)",#8e4585,142,69,133

plum_web,"Plum (Web)",#dda0dd,221,160,221
portland_orange,"Portland Orange",#ff5a36,255,90,54
powder_blue_web,"Powder Blue (Web)",#b0e0e6,176,224,230
princeton_orange,"Princeton Orange",#ff8f00,255,143,0
prune,"Prune",#701c1c,112,28,28
prussian_blue,"Prussian Blue",#003153,0,49,83
psychedelic_purple,"Psychedelic Purple",#df00ff,223,0,255
puce,"Puce",#c89,204,136,153
pumpkin,"Pumpkin",#ff7518,255,117,24
purple_heart,"Purple Heart",#69359c,105,53,156
purple_html_css,"Purple (Html/Css)",#800080,128,0,128
purple_mountain_majesty,"Purple Mountain Majesty",#9678b6,150,120,182
purple_munsell,"Purple (Munsell)",#9f00c5,159,0,197
purple_pizzazz,"Purple Pizzazz",#fe4eda,254,78,218
purple_taupe,"Purple Taupe",#50404d,80,64,77
purple_x11,"Purple (X11)",#a020f0,160,32,240
quartz,"Quartz",#51484f,81,72,79
rackley,"Rackley",#5d8aa8,93,138,168
radical_red,"Radical Red",#ff355e,255,53,94
rajah,"Rajah",#fbab60,251,171,96
raspberry,"Raspberry",#e30b5d,227,11,93
raspberry_glace,"Raspberry Glace",#915f6d,145,95,109
raspberry_pink,"Raspberry Pink",#e25098,226,80,152
raspberry_rose,"Raspberry Rose",#b3446c,179,68,108
raw_umber,"Raw Umber",#826644,130,102,68
razzle_dazzle_rose,"Razzle Dazzle Rose",#f3c,255,51,204
razzmatazz,"Razzmatazz",#e3256b,227,37,107
red,"Red",#f00,255,0,0
red_brown,"Red-Brown",#a52a2a,165,42,42
red_devil,"Red Devil",#860111,134,1,17
red_munsell,"Red (Munsell)",#f2003c,242,0,60
red_ncs,"Red (Ncs)",#c40233,196,2,51
red_orange,"Red-Orange",#ff5349,255,83,73
red_pigment,"Red (Pigment)",#ed1c24,237,28,36
red_ryb,"Red (Ryb)",#fe2712,254,39,18
red_violet,"Red-Violet",#c71585,199,21,133
redwood,"Redwood",#ab4e52,171,78,82
regalia,"Regalia",#522d80,82,45,128
resolution_blue,"Resolution Blue",#002387,0,35,135
rich_black,"Rich Black",#004040,0,64,64
rich_brilliant_lavender,"Rich Brilliant Lavender",#f1a7fe,241,167,254
rich_carmine,"Rich Carmine",#d70040,215,0,64
rich_electric_blue,"Rich Electric Blue",#0892d0,8,146,208
rich_lavender,"Rich Lavender",#a76bcf,167,107,207

rich_lilac,"Rich Lilac",#b666d2,182,102,210
rich_maroon,"Rich Maroon",#b03060,176,48,96
rifle_green,"Rifle Green",#414833,65,72,51
robin_egg_blue,"Robin Egg Blue",#0cc,0,204,204
rose,"Rose",#ff007f,255,0,127
rose_bonbon,"Rose Bonbon",#f9429e,249,66,158
rose_ebony,"Rose Ebony",#674846,103,72,70
rose_gold,"Rose Gold",#b76e79,183,110,121
rose_madder,"Rose Madder",#e32636,227,38,54
rose_pink,"Rose Pink",#f6c,255,102,204
rose_quartz,"Rose Quartz",#aa98a9,170,152,169
rose_taupe,"Rose Taupe",#905d5d,144,93,93
rose_vale,"Rose Vale",#ab4e52,171,78,82
rosewood,"Rosewood",#65000b,101,0,11
rosso_corsa,"Rosso Corsa",#d40000,212,0,0
rosy_brown,"Rosy Brown",#bc8f8f,188,143,143
royal_azure,"Royal Azure",#0038a8,0,56,168
royal_blue_traditional,"Royal Blue (Traditional)",#002366,0,35,102
royal_blue_web,"Royal Blue (Web)",#4169e1,65,105,225
royal_fuchsia,"Royal Fuchsia",#ca2c92,202,44,146
royal_purple,"Royal Purple",#7851a9,120,81,169
royal_yellow,"Royal Yellow",#fada5e,250,218,94
rubine_red,"Rubine Red",#d10056,209,0,86
ruby,"Ruby",#e0115f,224,17,95
ruby_red,"Ruby Red",#9b111e,155,17,30
ruddy,"Ruddy",#ff0028,255,0,40
ruddy_brown,"Ruddy Brown",#bb6528,187,101,40
ruddy_pink,"Ruddy Pink",#e18e96,225,142,150
rufous,"Rufous",#a81c07,168,28,7
russet,"Russet",#80461b,128,70,27
rust,"Rust",#b7410e,183,65,14
rusty_red,"Rusty Red",#da2c43,218,44,67
sacramento_state_green,"Sacramento State Green",#00563f,0,86,63
saddle_brown,"Saddle Brown",#8b4513,139,69,19
safety_orange_blaze_orange,"Safety Orange (Blaze Orange)",#ff6700,255,103,0
saffron,"Saffron",#f4c430,244,196,48
salmon,"Salmon",#ff8c69,255,140,105
salmon_pink,"Salmon Pink",#ff91a4,255,145,164
sand,"Sand",#c2b280,194,178,128
sand_dune,"Sand Dune",#967117,150,113,23
sandstorm,"Sandstorm",#ecd540,236,213,64
sandy_brown,"Sandy Brown",#f4a460,244,164,96
sandy_taupe,"Sandy Taupe",#967117,150,113,23
sangria,"Sangria",#92000a,146,0,10

sap_green,"Sap Green",#507d2a,80,125,42
sapphire,"Sapphire",#0f52ba,15,82,186
sapphire_blue,"Sapphire Blue",#0067a5,0,103,165
satin_sheen_gold,"Satin Sheen Gold",#cba135,203,161,53
scarlet,"Scarlet",#ff2400,255,36,0
scarlet_crayola,"Scarlet (Crayola)",#fd0e35,253,14,53
school_bus_yellow,"School Bus Yellow",#ffd800,255,216,0
screamin_green,"Screamin' Green",#76ff7a,118,255,122
sea_blue,"Sea Blue",#006994,0,105,148
sea_green,"Sea Green",#2e8b57,46,139,87
seal_brown,"Seal Brown",#321414,50,20,20
seashell,"Seashell",#fff5ee,255,245,238
selective_yellow,"Selective Yellow",#ffba00,255,186,0
sepia,"Sepia",#704214,112,66,20
shadow,"Shadow",#8a795d,138,121,93
shamrock_green,"Shamrock Green",#009e60,0,158,96
shocking_pink,"Shocking Pink",#fc0fc0,252,15,192
shocking_pink_crayola,"Shocking Pink (Crayola)",#ff6fff,255,111,255
sienna,"Sienna",#882d17,136,45,23
silver,"Silver",#c0c0c0,192,192,192
sinopia,"Sinopia",#cb410b,203,65,11
skobeloff,"Skobeloff",#007474,0,116,116
sky_blue,"Sky Blue",#87ceeb,135,206,235
sky_magenta,"Sky Magenta",#cf71af,207,113,175
slate_blue,"Slate Blue",#6a5acd,106,90,205
slate_gray,"Slate Gray",#708090,112,128,144
smalt_dark_powder_blue,"Smalt (Dark Powder Blue)",#039,0,51,153
smokey_topaz,"Smokey Topaz",#933d41,147,61,65
smoky_black,"Smoky Black",#100c08,16,12,8
snow,"Snow",#fffafa,255,250,250
spiro_disco_ball,"Spiro Disco Ball",#0fc0fc,15,192,252
spring_bud,"Spring Bud",#a7fc00,167,252,0
spring_green,"Spring Green",#00ff7f,0,255,127
st_patrick_s_blue,"St. Patrick'S Blue",#23297a,35,41,122
steel_blue,"Steel Blue",#4682b4,70,130,180
stil_de_grain_yellow,"Stil De Grain Yellow",#fada5e,250,218,94
stizza,"Stizza",#900,153,0,0
stormcloud,"Stormcloud",#4f666a,79,102,106
straw,"Straw",#e4d96f,228,217,111
sunglow,"Sunglow",#fc3,255,204,51
sunset,"Sunset",#fad6a5,250,214,165
tan,"Tan",#d2b48c,210,180,140
tangelo,"Tangelo",#f94d00,249,77,0
tangerine,"Tangerine",#f28500,242,133,0

tangerine_yellow,"Tangerine Yellow",#fc0,255,204,0
tango_pink,"Tango Pink",#e4717a,228,113,122
taupe,"Taupe",#483c32,72,60,50
taupe_gray,"Taupe Gray",#8b8589,139,133,137
tea_green,"Tea Green",#d0f0c0,208,240,192
tea_rose_orange,"Tea Rose (Orange)",#f88379,248,131,121
tea_rose_rose,"Tea Rose (Rose)",#f4c2c2,244,194,194
teal,"Teal",#008080,0,128,128
teal_blue,"Teal Blue",#367588,54,117,136
teal_green,"Teal Green",#00827f,0,130,127
telemagenta,"Telemagenta",#cf3476,207,52,118
tenn_tawny,"Tenné (Tawny)",#cd5700,205,87,0
terra_cotta,"Terra Cotta",#e2725b,226,114,91
thistle,"Thistle",#d8bfd8,216,191,216
thulian_pink,"Thulian Pink",#de6fa1,222,111,161
tickle_me_pink,"Tickle Me Pink",#fc89ac,252,137,172
tiffany_blue,"Tiffany Blue",#0abab5,10,186,181
tiger_s_eye,"Tiger'S Eye",#e08d3c,224,141,60
timberwolf,"Timberwolf",#dbd7d2,219,215,210
titanium_yellow,"Titanium Yellow",#eee600,238,230,0
tomato,"Tomato",#ff6347,255,99,71
toolbox,"Toolbox",#746cc0,116,108,192
topaz,"Topaz",#ffc87c,255,200,124
tractor_red,"Tractor Red",#fd0e35,253,14,53
trolley_grey,"Trolley Grey",#808080,128,128,128
tropical_rain_forest,"Tropical Rain Forest",#00755e,0,117,94
true_blue,"True Blue",#0073cf,0,115,207
tufts_blue,"Tufts Blue",#417dc1,65,125,193
tumbleweed,"Tumbleweed",#deaa88,222,170,136
turkish_rose,"Turkish Rose",#b57281,181,114,129
turquoise,"Turquoise",#30d5c8,48,213,200
turquoise_blue,"Turquoise Blue",#00ffef,0,255,239
turquoise_green,"Turquoise Green",#a0d6b4,160,214,180
tuscan_red,"Tuscan Red",#7c4848,124,72,72
twilight_lavender,"Twilight Lavender",#8a496b,138,73,107
tyrian_purple,"Tyrian Purple",#66023c,102,2,60
ua_blue,"Ua Blue",#03a,0,51,170
ua_red,"Ua Red",#d9004c,217,0,76
ube,"Ube",#8878c3,136,120,195
ucla_blue,"Ucla Blue",#536895,83,104,149
ucla_gold,"Ucla Gold",#ffb300,255,179,0
ufo_green,"Ufo Green",#3cd070,60,208,112
ultra_pink,"Ultra Pink",#ff6fff,255,111,255
ultramarine,"Ultramarine",#120a8f,18,10,143

ultramarine_blue,"Ultramarine Blue",#4166f5,65,102,245
umber,"Umber",#635147,99,81,71
unbleached_silk,"Unbleached Silk",#ffddca,255,221,202
united_nations_blue,"United Nations Blue",#5b92e5,91,146,229
university_of_california_gold,"University Of California Gold",#b78727,183,135,39
unmellow_yellow,"Unmellow Yellow",#ff6,255,255,102
up_forest_green,"Up Forest Green",#014421,1,68,33
up_maroon,"Up Maroon",#7b1113,123,17,19
upsdell_red,"Upsdell Red",#ae2029,174,32,41
urobilin,"Urobilin",#e1ad21,225,173,33
usafa_blue,"Usafa Blue",#004f98,0,79,152
usc_cardinal,"Usc Cardinal",#900,153,0,0
usc_gold,"Usc Gold",#fc0,255,204,0
utah_crimson,"Utah Crimson",#d3003f,211,0,63
vanilla,"Vanilla",#f3e5ab,243,229,171
vegas_gold,"Vegas Gold",#c5b358,197,179,88
venetian_red,"Venetian Red",#c80815,200,8,21
verdigris,"Verdigris",#43b3ae,67,179,174
vermilion_cinnabar,"Vermilion (Cinnabar)",#e34234,227,66,52
vermilion_plochere,"Vermilion (Plochere)",#d9603b,217,96,59
veronica,"Veronica",#a020f0,160,32,240
violet,"Violet",#8f00ff,143,0,255
violet_blue,"Violet-Blue",#324ab2,50,74,178
violet_color_wheel,"Violet (Color Wheel)",#7f00ff,127,0,255
violet_ryb,"Violet (Ryb)",#8601af,134,1,175
violet_web,"Violet (Web)",#ee82ee,238,130,238
viridian,"Viridian",#40826d,64,130,109
vivid_auburn,"Vivid Auburn",#922724,146,39,36
vivid_burgundy,"Vivid Burgundy",#9f1d35,159,29,53
vivid_cerise,"Vivid Cerise",#da1d81,218,29,129
vivid_tangerine,"Vivid Tangerine",#ffa089,255,160,137
vivid_violet,"Vivid Violet",#9f00ff,159,0,255
warm_black,"Warm Black",#004242,0,66,66
waterspout,"Waterspout",#a4f4f9,164,244,249
wenge,"Wenge",#645452,100,84,82
wheat,"Wheat",#f5deb3,245,222,179
white,"White",#fff,255,255,255
white_smoke,"White Smoke",#f5f5f5,245,245,245
wild_blue_yonder,"Wild Blue Yonder",#a2add0,162,173,208
wild_strawberry,"Wild Strawberry",#ff43a4,255,67,164
wild_watermelon,"Wild Watermelon",#fc6c85,252,108,133
wine,"Wine",#722f37,114,47,55
wine_dregs,"Wine Dregs",#673147,103,49,71
wisteria,"Wisteria",#c9a0dc,201,160,220

wood_brown,"Wood Brown",#c19a6b,193,154,107
xanadu,"Xanadu",#738678,115,134,120
yale_blue,"Yale Blue",#0f4d92,15,77,146
yellow,"Yellow",#ff0,255,255,0
yellow_green,"Yellow-Green",#9acd32,154,205,50
yellow_munsell,"Yellow (Munsell)",#efcc00,239,204,0
yellow_ncs,"Yellow (Ncs)",#ffd300,255,211,0
yellow_orange,"Yellow Orange",#ffae42,255,174,66
yellow_process,"Yellow (Process)",#ffef00,255,239,0
yellow_ryb,"Yellow (Ryb)",#fefe33,254,254,51
zaffre,"Zaffre",#0014a8,0,20,168
zinnwaldite_brown,"Zinnwaldite Brown",#2c1608,44,22,8