/\* MY PROJECT HAS 3 FILES

1)COLOR\_DETECTION.PY (CODE)

2)COLORPIC.JPG (COLORFUL IMAGE)

3) COLOR.CSV (DATA SET)

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/\*-----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

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()

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// colorpic.jpg



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/\*----------------------------------- 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