

Python Color Constants Module

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For Pygame and other graphics work, it's helpful to have color constants that hold the color RGB values. I couldn't find anything like this, so I created a [color_constants](#) module that:

1. Contains constants for 551 named colors* (e.g, as named tuples):

```
Color = namedtuple('RGB', 'red, green, blue')
```

2. Extends the `Color` class to include a method for getting the hex formatted color:

```
class RGB(Color):  
    def hex_format(self):  
        return '#{:02X}{:02X}{:02X}'.format(self.red, self.green, self.blue)
```

3. Stores these constants in an `OrderedDict`.

The colors are shown in the table below and the full code is shown below that.

Color Name	Hex Value	RGB Value	Sample
aliceblue	#F0F8FF	RGB(240,248,255)	
antiquewhite	#FAEBD7	RGB(250,235,215)	
antiquewhite1	#FFEFD8	RGB(255,239,219)	
antiquewhite2	#EEDFCC	RGB(238,223,204)	
antiquewhite3	#CDC0B0	RGB(205,192,176)	
antiquewhite4	#8B8378	RGB(139,131,120)	
aqua	#00FFFF	RGB(0,255,255)	
aquamarine1	#7FFFAD	RGB(127,255,212)	
aquamarine2	#76EEC6	RGB(118,238,198)	
aquamarine3	#66CDAA	RGB(102,205,170)	
aquamarine4	#458B74	RGB(69,139,116)	

azure1	#F0FFFF	RGB(240,255,255)	
azure2	#E0EEEE	RGB(224,238,238)	
azure3	#C1CDCD	RGB(193,205,205)	
azure4	#838B8B	RGB(131,139,139)	
banana	#E3CF57	RGB(227,207,87)	
beige	#F5F5DC	RGB(245,245,220)	
bisque1	#FFE4C4	RGB(255,228,196)	
bisque2	#EED5B7	RGB(238,213,183)	
bisque3	#CDB79E	RGB(205,183,158)	
bisque4	#8B7D6B	RGB(139,125,107)	
black	#000000	RGB(0,0,0)	
blanchedalmond	#FFEBBC	RGB(255,235,205)	
blue	#0000FF	RGB(0,0,255)	
blue2	#0000EE	RGB(0,0,238)	
blue3	#0000CD	RGB(0,0,205)	
blue4	#00008B	RGB(0,0,139)	
blueviolet	#8A2BE2	RGB(138,43,226)	
brick	#9C661F	RGB(156,102,31)	
brown	#A52A2A	RGB(165,42,42)	
brown1	#FF4040	RGB(255,64,64)	
brown2	#EE3B3B	RGB(238,59,59)	
brown3	#CD3333	RGB(205,51,51)	
brown4	#8B2323	RGB(139,35,35)	
burlywood	#DEB887	RGB(222,184,135)	
burlywood1	#FFD39B	RGB(255,211,155)	
burlywood2	#EEC591	RGB(238,197,145)	
burlywood3	#CDAA7D	RGB(205,170,125)	
burlywood4	#8B7355	RGB(139,115,85)	
burntsienna	#8A360F	RGB(138,54,15)	
burntumber	#8A3324	RGB(138,51,36)	
cadetblue	#5F9EA0	RGB(95,158,160)	
cadetblue1	#98F5FF	RGB(152,245,255)	
cadetblue2	#8EE5EE	RGB(142,229,238)	
cadetblue3	#7AC5CD	RGB(122,197,205)	

cadetblue4	#53868B	RGB(83,134,139)	
cadmiumorange	#FF6103	RGB(255,97,3)	
cadmiumyellow	#FF9912	RGB(255,153,18)	
carrot	#ED9121	RGB(237,145,33)	
chartreuse1	#7FFF00	RGB(127,255,0)	
chartreuse2	#76EE00	RGB(118,238,0)	
chartreuse3	#66CD00	RGB(102,205,0)	
chartreuse4	#458B00	RGB(69,139,0)	
chocolate	#D2691E	RGB(210,105,30)	
chocolate1	#FF7F24	RGB(255,127,36)	
chocolate2	#EE7621	RGB(238,118,33)	
chocolate3	#CD661D	RGB(205,102,29)	
chocolate4	#8B4513	RGB(139,69,19)	
cobalt	#3D59AB	RGB(61,89,171)	
cobaltgreen	#3D9140	RGB(61,145,64)	
coldgrey	#808A87	RGB(128,138,135)	
coral	#FF7F50	RGB(255,127,80)	
coral1	#FF7256	RGB(255,114,86)	
coral2	#EE6A50	RGB(238,106,80)	
coral3	#CD5B45	RGB(205,91,69)	
coral4	#8B3E2F	RGB(139,62,47)	
cornflowerblue	#6495ED	RGB(100,149,237)	
cornsilk1	#FFF8DC	RGB(255,248,220)	
cornsilk2	#EEE8CD	RGB(238,232,205)	
cornsilk3	#CDC8B1	RGB(205,200,177)	
cornsilk4	#8B8878	RGB(139,136,120)	
crimson	#DC143C	RGB(220,20,60)	
cyan2	#00EEEE	RGB(0,238,238)	
cyan3	#00CDCD	RGB(0,205,205)	
cyan4	#008B8B	RGB(0,139,139)	
darkgoldenrod	#B8860B	RGB(184,134,11)	
darkgoldenrod1	#FFB90F	RGB(255,185,15)	
darkgoldenrod2	#EEAD0E	RGB(238,173,14)	
darkgoldenrod3	#CD950C	RGB(205,149,12)	

darkgoldenrod4	#8B6508	RGB(139,101,8)	
darkgray	#A9A9A9	RGB(169,169,169)	
darkgreen	#006400	RGB(0,100,0)	
darkkhaki	#BDB76B	RGB(189,183,107)	
darkolivegreen	#556B2F	RGB(85,107,47)	
darkolivegreen1	#CAFF70	RGB(202,255,112)	
darkolivegreen2	#BCEE68	RGB(188,238,104)	
darkolivegreen3	#A2CD5A	RGB(162,205,90)	
darkolivegreen4	#6E8B3D	RGB(110,139,61)	
darkorange	#FF8C00	RGB(255,140,0)	
darkorange1	#FF7F00	RGB(255,127,0)	
darkorange2	#EE7600	RGB(238,118,0)	
darkorange3	#CD6600	RGB(205,102,0)	
darkorange4	#8B4500	RGB(139,69,0)	
darkorchid	#9932CC	RGB(153,50,204)	
darkorchid1	#BF3EFF	RGB(191,62,255)	
darkorchid2	#B23AEE	RGB(178,58,238)	
darkorchid3	#9A32CD	RGB(154,50,205)	
darkorchid4	#68228B	RGB(104,34,139)	
darksalmon	#E9967A	RGB(233,150,122)	
darkseagreen	#8FBC8F	RGB(143,188,143)	
darkseagreen1	#C1FFC1	RGB(193,255,193)	
darkseagreen2	#B4EEB4	RGB(180,238,180)	
darkseagreen3	#9BCD9B	RGB(155,205,155)	
darkseagreen4	#698B69	RGB(105,139,105)	
darkslateblue	#483D8B	RGB(72,61,139)	
darkslategray	#2F4F4F	RGB(47,79,79)	
darkslategray1	#97FFFF	RGB(151,255,255)	
darkslategray2	#8DEEEE	RGB(141,238,238)	
darkslategray3	#79CDCD	RGB(121,205,205)	
darkslategray4	#528B8B	RGB(82,139,139)	
darkturquoise	#00CED1	RGB(0,206,209)	
darkviolet	#9400D3	RGB(148,0,211)	
deeppink1	#FF1493	RGB(255,20,147)	

deeppink2	#EE1289	RGB(238,18,137)	
deeppink3	#CD1076	RGB(205,16,118)	
deeppink4	#8B0A50	RGB(139,10,80)	
deepskyblue1	#00BFFF	RGB(0,191,255)	
deepskyblue2	#00B2EE	RGB(0,178,238)	
deepskyblue3	#009ACD	RGB(0,154,205)	
deepskyblue4	#00688B	RGB(0,104,139)	
dimgray	#696969	RGB(105,105,105)	
dodgerblue1	#1E90FF	RGB(30,144,255)	
dodgerblue2	#1C86EE	RGB(28,134,238)	
dodgerblue3	#1874CD	RGB(24,116,205)	
dodgerblue4	#104E8B	RGB(16,78,139)	
eggshell	#FCE6C9	RGB(252,230,201)	
emeraldgreen	#00C957	RGB(0,201,87)	
firebrick	#B22222	RGB(178,34,34)	
firebrick1	#FF3030	RGB(255,48,48)	
firebrick2	#EE2C2C	RGB(238,44,44)	
firebrick3	#CD2626	RGB(205,38,38)	
firebrick4	#8B1A1A	RGB(139,26,26)	
flesh	#FF7D40	RGB(255,125,64)	
floralwhite	#FFFFA0	RGB(255,250,240)	
forestgreen	#228B22	RGB(34,139,34)	
gainsboro	#DCDCDC	RGB(220,220,220)	
ghostwhite	#F8F8FF	RGB(248,248,255)	
gold1	#FFD700	RGB(255,215,0)	
gold2	#EEC900	RGB(238,201,0)	
gold3	#CDAD00	RGB(205,173,0)	
gold4	#8B7500	RGB(139,117,0)	
goldenrod	#DAA520	RGB(218,165,32)	
goldenrod1	#FFC125	RGB(255,193,37)	
goldenrod2	#EEB422	RGB(238,180,34)	
goldenrod3	#CD9B1D	RGB(205,155,29)	
goldenrod4	#8B6914	RGB(139,105,20)	
gray	#808080	RGB(128,128,128)	

gray1	#030303	RGB(3,3,3)	
gray10	#1A1A1A	RGB(26,26,26)	
gray11	#1C1C1C	RGB(28,28,28)	
gray12	#1F1F1F	RGB(31,31,31)	
gray13	#212121	RGB(33,33,33)	
gray14	#242424	RGB(36,36,36)	
gray15	#262626	RGB(38,38,38)	
gray16	#292929	RGB(41,41,41)	
gray17	#2B2B2B	RGB(43,43,43)	
gray18	#2E2E2E	RGB(46,46,46)	
gray19	#303030	RGB(48,48,48)	
gray2	#050505	RGB(5,5,5)	
gray20	#333333	RGB(51,51,51)	
gray21	#363636	RGB(54,54,54)	
gray22	#383838	RGB(56,56,56)	
gray23	#3B3B3B	RGB(59,59,59)	
gray24	#3D3D3D	RGB(61,61,61)	
gray25	#404040	RGB(64,64,64)	
gray26	#424242	RGB(66,66,66)	
gray27	#454545	RGB(69,69,69)	
gray28	#474747	RGB(71,71,71)	
gray29	#4A4A4A	RGB(74,74,74)	
gray3	#080808	RGB(8,8,8)	
gray30	#4D4D4D	RGB(77,77,77)	
gray31	#4F4F4F	RGB(79,79,79)	
gray32	#525252	RGB(82,82,82)	
gray33	#545454	RGB(84,84,84)	
gray34	#575757	RGB(87,87,87)	
gray35	#595959	RGB(89,89,89)	
gray36	#5C5C5C	RGB(92,92,92)	
gray37	#5E5E5E	RGB(94,94,94)	
gray38	#616161	RGB(97,97,97)	
gray39	#636363	RGB(99,99,99)	
gray4	#0A0A0A	RGB(10,10,10)	

gray40	#666666	RGB(102,102,102)	
gray42	#6B6B6B	RGB(107,107,107)	
gray43	#6E6E6E	RGB(110,110,110)	
gray44	#707070	RGB(112,112,112)	
gray45	#737373	RGB(115,115,115)	
gray46	#757575	RGB(117,117,117)	
gray47	#787878	RGB(120,120,120)	
gray48	#7A7A7A	RGB(122,122,122)	
gray49	#7D7D7D	RGB(125,125,125)	
gray5	#0D0D0D	RGB(13,13,13)	
gray50	#7F7F7F	RGB(127,127,127)	
gray51	#828282	RGB(130,130,130)	
gray52	#858585	RGB(133,133,133)	
gray53	#878787	RGB(135,135,135)	
gray54	#8A8A8A	RGB(138,138,138)	
gray55	#8C8C8C	RGB(140,140,140)	
gray56	#8F8F8F	RGB(143,143,143)	
gray57	#919191	RGB(145,145,145)	
gray58	#949494	RGB(148,148,148)	
gray59	#969696	RGB(150,150,150)	
gray6	#0F0F0F	RGB(15,15,15)	
gray60	#999999	RGB(153,153,153)	
gray61	#9C9C9C	RGB(156,156,156)	
gray62	#9E9E9E	RGB(158,158,158)	
gray63	#A1A1A1	RGB(161,161,161)	
gray64	#A3A3A3	RGB(163,163,163)	
gray65	#A6A6A6	RGB(166,166,166)	
gray66	#A8A8A8	RGB(168,168,168)	
gray67	#ABABAB	RGB(171,171,171)	
gray68	#ADADAD	RGB(173,173,173)	
gray69	#B0B0B0	RGB(176,176,176)	
gray7	#121212	RGB(18,18,18)	
gray70	#B3B3B3	RGB(179,179,179)	
gray71	#B5B5B5	RGB(181,181,181)	

gray72	#B8B8B8	RGB(184,184,184)	
gray73	#BABABA	RGB(186,186,186)	
gray74	#BDBDBD	RGB(189,189,189)	
gray75	#BFBFBF	RGB(191,191,191)	
gray76	#C2C2C2	RGB(194,194,194)	
gray77	#C4C4C4	RGB(196,196,196)	
gray78	#C7C7C7	RGB(199,199,199)	
gray79	#C9C9C9	RGB(201,201,201)	
gray8	#141414	RGB(20,20,20)	
gray80	#CCCCCC	RGB(204,204,204)	
gray81	#CFCFCF	RGB(207,207,207)	
gray82	#D1D1D1	RGB(209,209,209)	
gray83	#D4D4D4	RGB(212,212,212)	
gray84	#D6D6D6	RGB(214,214,214)	
gray85	#D9D9D9	RGB(217,217,217)	
gray86	#DBDBDB	RGB(219,219,219)	
gray87	#DEDEDE	RGB(222,222,222)	
gray88	#E0E0E0	RGB(224,224,224)	
gray89	#E3E3E3	RGB(227,227,227)	
gray9	#171717	RGB(23,23,23)	
gray90	#E5E5E5	RGB(229,229,229)	
gray91	#E8E8E8	RGB(232,232,232)	
gray92	#EBEBEB	RGB(235,235,235)	
gray93	#EDEDED	RGB(237,237,237)	
gray94	#F0F0F0	RGB(240,240,240)	
gray95	#F2F2F2	RGB(242,242,242)	
gray97	#F7F7F7	RGB(247,247,247)	
gray98	#FAFAFA	RGB(250,250,250)	
gray99	#FCFCFC	RGB(252,252,252)	
green	#008000	RGB(0,128,0)	
green1	#00FF00	RGB(0,255,0)	
green2	#00EE00	RGB(0,238,0)	
green3	#00CD00	RGB(0,205,0)	
green4	#008B00	RGB(0,139,0)	

greenyellow	#ADFF2F	RGB(173,255,47)	
honeydew1	#F0FFF0	RGB(240,255,240)	
honeydew2	#E0EEEE	RGB(224,238,224)	
honeydew3	#C1CDC1	RGB(193,205,193)	
honeydew4	#838B83	RGB(131,139,131)	
hotpink	#FF69B4	RGB(255,105,180)	
hotpink1	#FF6EB4	RGB(255,110,180)	
hotpink2	#EE6AA7	RGB(238,106,167)	
hotpink3	#CD6090	RGB(205,96,144)	
hotpink4	#8B3A62	RGB(139,58,98)	
indianred	#CD5C5C	RGB(205,92,92)	
indianred1	#FF6A6A	RGB(255,106,106)	
indianred2	#EE6363	RGB(238,99,99)	
indianred3	#CD5555	RGB(205,85,85)	
indianred4	#8B3A3A	RGB(139,58,58)	
indigo	#4B0082	RGB(75,0,130)	
ivory1	#FFFFFF	RGB(255,255,240)	
ivory2	#EEEEEE	RGB(238,238,224)	
ivory3	#CDCDC1	RGB(205,205,193)	
ivory4	#8B8B83	RGB(139,139,131)	
ivoryblack	#292421	RGB(41,36,33)	
khaki	#F0E68C	RGB(240,230,140)	
khaki1	#FFF68F	RGB(255,246,143)	
khaki2	#EEE685	RGB(238,230,133)	
khaki3	#CDC673	RGB(205,198,115)	
khaki4	#8B864E	RGB(139,134,78)	
lavender	#E6E6FA	RGB(230,230,250)	
lavenderblush1	#FFF0F5	RGB(255,240,245)	
lavenderblush2	#EEE0E5	RGB(238,224,229)	
lavenderblush3	#CDC1C5	RGB(205,193,197)	
lavenderblush4	#8B8386	RGB(139,131,134)	
lawngreen	#7CFC00	RGB(124,252,0)	
lemonchiffon1	#FFFACD	RGB(255,250,205)	
lemonchiffon2	#EEE9BF	RGB(238,233,191)	

lemonchiffon3	#CDC9A5	RGB(205,201,165)	
lemonchiffon4	#8B8970	RGB(139,137,112)	
lightblue	#ADD8E6	RGB(173,216,230)	
lightblue1	#BFEFFF	RGB(191,239,255)	
lightblue2	#B2DFEE	RGB(178,223,238)	
lightblue3	#9AC0CD	RGB(154,192,205)	
lightblue4	#68838B	RGB(104,131,139)	
lightcoral	#F08080	RGB(240,128,128)	
lightcyan1	#E0FFFF	RGB(224,255,255)	
lightcyan2	#D1EEEE	RGB(209,238,238)	
lightcyan3	#B4CDCC	RGB(180,205,205)	
lightcyan4	#7A8B8B	RGB(122,139,139)	
lightgoldenrod1	#FFEC8B	RGB(255,236,139)	
lightgoldenrod2	#EEDC82	RGB(238,220,130)	
lightgoldenrod3	#CDBE70	RGB(205,190,112)	
lightgoldenrod4	#8B814C	RGB(139,129,76)	
lightgoldenrodyellow	#FAFAD2	RGB(250,250,210)	
lightgrey	#D3D3D3	RGB(211,211,211)	
lightpink	#FFB6C1	RGB(255,182,193)	
lightpink1	#FFAEB9	RGB(255,174,185)	
lightpink2	#EEA2AD	RGB(238,162,173)	
lightpink3	#CD8C95	RGB(205,140,149)	
lightpink4	#8B5F65	RGB(139,95,101)	
lightsalmon1	#FFA07A	RGB(255,160,122)	
lightsalmon2	#EE9572	RGB(238,149,114)	
lightsalmon3	#CD8162	RGB(205,129,98)	
lightsalmon4	#8B5742	RGB(139,87,66)	
lightseagreen	#20B2AA	RGB(32,178,170)	
lightskyblue	#87CEFA	RGB(135,206,250)	
lightskyblue1	#B0E2FF	RGB(176,226,255)	
lightskyblue2	#A4D3EE	RGB(164,211,238)	
lightskyblue3	#8DB6CD	RGB(141,182,205)	
lightskyblue4	#607B8B	RGB(96,123,139)	
lightslateblue	#8470FF	RGB(132,112,255)	

lightslategray	#778899	RGB(119,136,153)	
lightsteelblue	#B0C4DE	RGB(176,196,222)	
lightsteelblue1	#CAE1FF	RGB(202,225,255)	
lightsteelblue2	#BCD2EE	RGB(188,210,238)	
lightsteelblue3	#A2B5CD	RGB(162,181,205)	
lightsteelblue4	#6E7B8B	RGB(110,123,139)	
lightyellow1	#FFFFE0	RGB(255,255,224)	
lightyellow2	#EEEED1	RGB(238,238,209)	
lightyellow3	#CDCDB4	RGB(205,205,180)	
lightyellow4	#8B8B7A	RGB(139,139,122)	
limegreen	#32CD32	RGB(50,205,50)	
linen	#FAF0E6	RGB(250,240,230)	
magenta	#FF00FF	RGB(255,0,255)	
magenta2	#EE00EE	RGB(238,0,238)	
magenta3	#CD00CD	RGB(205,0,205)	
magenta4	#8B008B	RGB(139,0,139)	
manganeseblue	#03A89E	RGB(3,168,158)	
maroon	#800000	RGB(128,0,0)	
maroon1	#FF34B3	RGB(255,52,179)	
maroon2	#EE30A7	RGB(238,48,167)	
maroon3	#CD2990	RGB(205,41,144)	
maroon4	#8B1C62	RGB(139,28,98)	
mediumorchid	#BA55D3	RGB(186,85,211)	
mediumorchid1	#E066FF	RGB(224,102,255)	
mediumorchid2	#D15FEE	RGB(209,95,238)	
mediumorchid3	#B452CD	RGB(180,82,205)	
mediumorchid4	#7A378B	RGB(122,55,139)	
mediumpurple	#9370DB	RGB(147,112,219)	
mediumpurple1	#AB82FF	RGB(171,130,255)	
mediumpurple2	#9F79EE	RGB(159,121,238)	
mediumpurple3	#8968CD	RGB(137,104,205)	
mediumpurple4	#5D478B	RGB(93,71,139)	
mediumseagreen	#3CB371	RGB(60,179,113)	
mediumslateblue	#7B68EE	RGB(123,104,238)	

mediumspringgreen	#00FA9A	RGB(0,250,154)	
mediumturquoise	#48D1CC	RGB(72,209,204)	
mediumvioletred	#C71585	RGB(199,21,133)	
melon	#E3A869	RGB(227,168,105)	
midnightblue	#191970	RGB(25,25,112)	
mint	#BDFCC9	RGB(189,252,201)	
mintcream	#F5FFFA	RGB(245,255,250)	
mistyrose1	#FFE4E1	RGB(255,228,225)	
mistyrose2	#EED5D2	RGB(238,213,210)	
mistyrose3	#CDB7B5	RGB(205,183,181)	
mistyrose4	#8B7D7B	RGB(139,125,123)	
moccasin	#FFE4B5	RGB(255,228,181)	
navajowhite1	#FFDEAD	RGB(255,222,173)	
navajowhite2	#EECFA1	RGB(238,207,161)	
navajowhite3	#CDB38B	RGB(205,179,139)	
navajowhite4	#8B795E	RGB(139,121,94)	
navy	#000080	RGB(0,0,128)	
oldlace	#FDF5E6	RGB(253,245,230)	
olive	#808000	RGB(128,128,0)	
olivedrab	#6B8E23	RGB(107,142,35)	
olivedrab1	#C0FF3E	RGB(192,255,62)	
olivedrab2	#B3EE3A	RGB(179,238,58)	
olivedrab3	#9ACD32	RGB(154,205,50)	
olivedrab4	#698B22	RGB(105,139,34)	
orange	#FF8000	RGB(255,128,0)	
orange1	#FFA500	RGB(255,165,0)	
orange2	#EE9A00	RGB(238,154,0)	
orange3	#CD8500	RGB(205,133,0)	
orange4	#8B5A00	RGB(139,90,0)	
orangered1	#FF4500	RGB(255,69,0)	
orangered2	#EE4000	RGB(238,64,0)	
orangered3	#CD3700	RGB(205,55,0)	
orangered4	#8B2500	RGB(139,37,0)	
orchid	#DA70D6	RGB(218,112,214)	

orchid1	#FF83FA	RGB(255,131,250)	
orchid2	#EE7AE9	RGB(238,122,233)	
orchid3	#CD69C9	RGB(205,105,201)	
orchid4	#8B4789	RGB(139,71,137)	
palegoldenrod	#EEE8AA	RGB(238,232,170)	
palegreen	#98FB98	RGB(152,251,152)	
palegreen1	#9AFF9A	RGB(154,255,154)	
palegreen2	#90EE90	RGB(144,238,144)	
palegreen3	#7CCD7C	RGB(124,205,124)	
palegreen4	#548B54	RGB(84,139,84)	
paleturquoise1	#BBFFFF	RGB(187,255,255)	
paleturquoise2	#AEEEEEE	RGB(174,238,238)	
paleturquoise3	#96CDCD	RGB(150,205,205)	
paleturquoise4	#668B8B	RGB(102,139,139)	
palevioletred	#DB7093	RGB(219,112,147)	
palevioletred1	#FF82AB	RGB(255,130,171)	
palevioletred2	#EE799F	RGB(238,121,159)	
palevioletred3	#CD6889	RGB(205,104,137)	
palevioletred4	#8B475D	RGB(139,71,93)	
papayawhip	#FFEFD5	RGB(255,239,213)	
peachpuff1	#FFDAB9	RGB(255,218,185)	
peachpuff2	#EECBAD	RGB(238,203,173)	
peachpuff3	#CDAF95	RGB(205,175,149)	
peachpuff4	#8B7765	RGB(139,119,101)	
peacock	#33A1C9	RGB(51,161,201)	
pink	#FFC0CB	RGB(255,192,203)	
pink1	#FFB5C5	RGB(255,181,197)	
pink2	#EEA9B8	RGB(238,169,184)	
pink3	#CD919E	RGB(205,145,158)	
pink4	#8B636C	RGB(139,99,108)	
plum	#DDA0DD	RGB(221,160,221)	
plum1	#FFBBFF	RGB(255,187,255)	
plum2	#EEAEEE	RGB(238,174,238)	
plum3	#CD96CD	RGB(205,150,205)	

plum4	#8B668B	RGB(139,102,139)	
powderblue	#B0E0E6	RGB(176,224,230)	
purple	#800080	RGB(128,0,128)	
purple1	#9B30FF	RGB(155,48,255)	
purple2	#912CEE	RGB(145,44,238)	
purple3	#7D26CD	RGB(125,38,205)	
purple4	#551A8B	RGB(85,26,139)	
raspberry	#872657	RGB(135,38,87)	
rawsienna	#C76114	RGB(199,97,20)	
red1	#FF0000	RGB(255,0,0)	
red2	#EE0000	RGB(238,0,0)	
red3	#CD0000	RGB(205,0,0)	
red4	#8B0000	RGB(139,0,0)	
rosybrown	#BC8F8F	RGB(188,143,143)	
rosybrown1	#FFC1C1	RGB(255,193,193)	
rosybrown2	#EEB4B4	RGB(238,180,180)	
rosybrown3	#CD9B9B	RGB(205,155,155)	
rosybrown4	#8B6969	RGB(139,105,105)	
royalblue	#4169E1	RGB(65,105,225)	
royalblue1	#4876FF	RGB(72,118,255)	
royalblue2	#436EEE	RGB(67,110,238)	
royalblue3	#3A5FC	RGB(58,95,205)	
royalblue4	#27408B	RGB(39,64,139)	
salmon	#FA8072	RGB(250,128,114)	
salmon1	#FF8C69	RGB(255,140,105)	
salmon2	#EE8262	RGB(238,130,98)	
salmon3	#CD7054	RGB(205,112,84)	
salmon4	#8B4C39	RGB(139,76,57)	
sandybrown	#F4A460	RGB(244,164,96)	
sapgreen	#308014	RGB(48,128,20)	
seagreen1	#54FF9F	RGB(84,255,159)	
seagreen2	#4EEE94	RGB(78,238,148)	
seagreen3	#43CD80	RGB(67,205,128)	
seagreen4	#2E8B57	RGB(46,139,87)	

seashell1	#FFF5EE	RGB(255,245,238)	
seashell2	#EEE5DE	RGB(238,229,222)	
seashell3	#CDC5BF	RGB(205,197,191)	
seashell4	#8B8682	RGB(139,134,130)	
sepia	#5E2612	RGB(94,38,18)	
sgibeet	#8E388E	RGB(142,56,142)	
sgibrightgray	#C5C1AA	RGB(197,193,170)	
sgichartreuse	#71C671	RGB(113,198,113)	
sgidarkgray	#555555	RGB(85,85,85)	
sgigray12	#1E1E1E	RGB(30,30,30)	
sgigray16	#282828	RGB(40,40,40)	
sgigray32	#515151	RGB(81,81,81)	
sgigray36	#5B5B5B	RGB(91,91,91)	
sgigray52	#848484	RGB(132,132,132)	
sgigray56	#8E8E8E	RGB(142,142,142)	
sgigray72	#B7B7B7	RGB(183,183,183)	
sgigray76	#C1C1C1	RGB(193,193,193)	
sgigray92	#EAEAEA	RGB(234,234,234)	
sgigray96	#F4F4F4	RGB(244,244,244)	
sgilightblue	#7D9EC0	RGB(125,158,192)	
sgilightgray	#AAAAAA	RGB(170,170,170)	
sgiolivedrab	#8E8E38	RGB(142,142,56)	
sgisalmon	#C67171	RGB(198,113,113)	
sgislateblue	#7171C6	RGB(113,113,198)	
sgiteal	#388E8E	RGB(56,142,142)	
sienna	#A0522D	RGB(160,82,45)	
sienna1	#FF8247	RGB(255,130,71)	
sienna2	#EE7942	RGB(238,121,66)	
sienna3	#CD6839	RGB(205,104,57)	
sienna4	#8B4726	RGB(139,71,38)	
silver	#C0C0C0	RGB(192,192,192)	
skyblue	#87CEEB	RGB(135,206,235)	
skyblue1	#87CEFF	RGB(135,206,255)	
skyblue2	#7EC0EE	RGB(126,192,238)	

skyblue3	#6CA6CD	RGB(108,166,205)	
skyblue4	#4A708B	RGB(74,112,139)	
slateblue	#6A5ACD	RGB(106,90,205)	
slateblue1	#836FFF	RGB(131,111,255)	
slateblue2	#7A67EE	RGB(122,103,238)	
slateblue3	#6959CD	RGB(105,89,205)	
slateblue4	#473C8B	RGB(71,60,139)	
slategray	#708090	RGB(112,128,144)	
slategray1	#C6E2FF	RGB(198,226,255)	
slategray2	#B9D3EE	RGB(185,211,238)	
slategray3	#9FB6CD	RGB(159,182,205)	
slategray4	#6C7B8B	RGB(108,123,139)	
snow1	#FFFFFA	RGB(255,250,250)	
snow2	#EEE9E9	RGB(238,233,233)	
snow3	#CDC9C9	RGB(205,201,201)	
snow4	#8B8989	RGB(139,137,137)	
springgreen	#00FF7F	RGB(0,255,127)	
springgreen1	#00EE76	RGB(0,238,118)	
springgreen2	#00CD66	RGB(0,205,102)	
springgreen3	#008B45	RGB(0,139,69)	
steelblue	#4682B4	RGB(70,130,180)	
steelblue1	#63B8FF	RGB(99,184,255)	
steelblue2	#5CACCE	RGB(92,172,238)	
steelblue3	#4F94CD	RGB(79,148,205)	
steelblue4	#36648B	RGB(54,100,139)	
tan	#D2B48C	RGB(210,180,140)	
tan1	#FFA54F	RGB(255,165,79)	
tan2	#EE9A49	RGB(238,154,73)	
tan3	#CD853F	RGB(205,133,63)	
tan4	#8B5A2B	RGB(139,90,43)	
teal	#008080	RGB(0,128,128)	
thistle	#D8bfd8	RGB(216,191,216)	
thistle1	#FFE1FF	RGB(255,225,255)	
thistle2	#EED2EE	RGB(238,210,238)	

thistle3	#CDB5CD	RGB(205,181,205)	
thistle4	#8B7B8B	RGB(139,123,139)	
tomato1	#FF6347	RGB(255,99,71)	
tomato2	#EE5C42	RGB(238,92,66)	
tomato3	#CD4F39	RGB(205,79,57)	
tomato4	#8B3626	RGB(139,54,38)	
turquoise	#40E0D0	RGB(64,224,208)	
turquoise1	#00F5FF	RGB(0,245,255)	
turquoise2	#00E5EE	RGB(0,229,238)	
turquoise3	#00C5CD	RGB(0,197,205)	
turquoise4	#00868B	RGB(0,134,139)	
turquoiseblue	#00C78C	RGB(0,199,140)	
violet	#EE82EE	RGB(238,130,238)	
violetred	#D02090	RGB(208,32,144)	
violetred1	#FF3E96	RGB(255,62,150)	
violetred2	#EE3A8C	RGB(238,58,140)	
violetred3	#CD3278	RGB(205,50,120)	
violetred4	#8B2252	RGB(139,34,82)	
warmgrey	#808069	RGB(128,128,105)	
wheat	#F5DEB3	RGB(245,222,179)	
wheat1	#FFE7BA	RGB(255,231,186)	
wheat2	#EED8AE	RGB(238,216,174)	
wheat3	#CDBA96	RGB(205,186,150)	
wheat4	#8B7E66	RGB(139,126,102)	
white	#FFFFFF	RGB(255,255,255)	
whitesmoke	#F5F5F5	RGB(245,245,245)	
yellow1	#FFFF00	RGB(255,255,0)	
yellow2	#EEEE00	RGB(238,238,0)	
yellow3	#CDCD00	RGB(205,205,0)	
yellow4	#8B8B00	RGB(139,139,0)	

color_constants.py

```
"""Provide RGB color constants and a colors dictionary with
elements formatted: colors[colorname] = CONSTANT"""
from collections import namedtuple, OrderedDict
```

```
Color = namedtuple('RGB', 'red, green, blue')
colors = {} #dict of colors
class RGB(Color):
    def hex_format(self):
        '''Returns color in hex format'''
        return '#{:02X}{:02X}{:02X}'.format(self.red,self.green,self.blue)

#Color Contants
ALICEBLUE = RGB(240, 248, 255)
ANTIQUEWHITE = RGB(250, 235, 215)
ANTIQUEWHITE1 = RGB(255, 239, 219)
ANTIQUEWHITE2 = RGB(238, 223, 204)
ANTIQUEWHITE3 = RGB(205, 192, 176)
ANTIQUEWHITE4 = RGB(139, 131, 120)
AQUA = RGB(0, 255, 255)
AQUAMARINE1 = RGB(127, 255, 212)
AQUAMARINE2 = RGB(118, 238, 198)
AQUAMARINE3 = RGB(102, 205, 170)
AQUAMARINE4 = RGB(69, 139, 116)
AZURE1 = RGB(240, 255, 255)
AZURE2 = RGB(224, 238, 238)
AZURE3 = RGB(193, 205, 205)
AZURE4 = RGB(131, 139, 139)
BANANA = RGB(227, 207, 87)
BEIGE = RGB(245, 245, 220)
BISQUE1 = RGB(255, 228, 196)
BISQUE2 = RGB(238, 213, 183)
BISQUE3 = RGB(205, 183, 158)
BISQUE4 = RGB(139, 125, 107)
BLACK = RGB(0, 0, 0)
BLANCHEDALMOND = RGB(255, 235, 205)
BLUE = RGB(0, 0, 255)
BLUE2 = RGB(0, 0, 238)
BLUE3 = RGB(0, 0, 205)
BLUE4 = RGB(0, 0, 139)
BLUEVIOLET = RGB(138, 43, 226)
BRICK = RGB(156, 102, 31)
BROWN = RGB(165, 42, 42)
BROWN1 = RGB(255, 64, 64)
BROWN2 = RGB(238, 59, 59)
BROWN3 = RGB(205, 51, 51)
BROWN4 = RGB(139, 35, 35)
```

```
BURLYWOOD = RGB(222, 184, 135)
BURLYWOOD1 = RGB(255, 211, 155)
BURLYWOOD2 = RGB(238, 197, 145)
BURLYWOOD3 = RGB(205, 170, 125)
BURLYWOOD4 = RGB(139, 115, 85)
BURNTSIENNA = RGB(138, 54, 15)
BURNTNUMBER = RGB(138, 51, 36)
CADETBLUE = RGB(95, 158, 160)
CADETBLUE1 = RGB(152, 245, 255)
CADETBLUE2 = RGB(142, 229, 238)
CADETBLUE3 = RGB(122, 197, 205)
CADETBLUE4 = RGB(83, 134, 139)
CADMIUMORANGE = RGB(255, 97, 3)
CADMIUMYELLOW = RGB(255, 153, 18)
CARROT = RGB(237, 145, 33)
CHARTREUSE1 = RGB(127, 255, 0)
CHARTREUSE2 = RGB(118, 238, 0)
CHARTREUSE3 = RGB(102, 205, 0)
CHARTREUSE4 = RGB(69, 139, 0)
CHOCOLATE = RGB(210, 105, 30)
CHOCOLATE1 = RGB(255, 127, 36)
CHOCOLATE2 = RGB(238, 118, 33)
CHOCOLATE3 = RGB(205, 102, 29)
CHOCOLATE4 = RGB(139, 69, 19)
COBALT = RGB(61, 89, 171)
COBALTGREEN = RGB(61, 145, 64)
COLDGREY = RGB(128, 138, 135)
CORAL = RGB(255, 127, 80)
CORAL1 = RGB(255, 114, 86)
CORAL2 = RGB(238, 106, 80)
CORAL3 = RGB(205, 91, 69)
CORAL4 = RGB(139, 62, 47)
CORNFLOWERBLUE = RGB(100, 149, 237)
CORN SILK1 = RGB(255, 248, 220)
CORN SILK2 = RGB(238, 232, 205)
CORN SILK3 = RGB(205, 200, 177)
CORN SILK4 = RGB(139, 136, 120)
CRIMSON = RGB(220, 20, 60)
CYAN2 = RGB(0, 238, 238)
CYAN3 = RGB(0, 205, 205)
CYAN4 = RGB(0, 139, 139)
```

```
DARKGOLDENROD = RGB(184, 134, 11)
DARKGOLDENROD1 = RGB(255, 185, 15)
DARKGOLDENROD2 = RGB(238, 173, 14)
DARKGOLDENROD3 = RGB(205, 149, 12)
DARKGOLDENROD4 = RGB(139, 101, 8)
DARKGRAY = RGB(169, 169, 169)
DARKGREEN = RGB(0, 100, 0)
DARKKHAKI = RGB(189, 183, 107)
DARKOLIVEGREEN = RGB(85, 107, 47)
DARKOLIVEGREEN1 = RGB(202, 255, 112)
DARKOLIVEGREEN2 = RGB(188, 238, 104)
DARKOLIVEGREEN3 = RGB(162, 205, 90)
DARKOLIVEGREEN4 = RGB(110, 139, 61)
DARKORANGE = RGB(255, 140, 0)
DARKORANGE1 = RGB(255, 127, 0)
DARKORANGE2 = RGB(238, 118, 0)
DARKORANGE3 = RGB(205, 102, 0)
DARKORANGE4 = RGB(139, 69, 0)
DARKORCHID = RGB(153, 50, 204)
DARKORCHID1 = RGB(191, 62, 255)
DARKORCHID2 = RGB(178, 58, 238)
DARKORCHID3 = RGB(154, 50, 205)
DARKORCHID4 = RGB(104, 34, 139)
DARKSALMON = RGB(233, 150, 122)
DARKSEAGREEN = RGB(143, 188, 143)
DARKSEAGREEN1 = RGB(193, 255, 193)
DARKSEAGREEN2 = RGB(180, 238, 180)
DARKSEAGREEN3 = RGB(155, 205, 155)
DARKSEAGREEN4 = RGB(105, 139, 105)
DARKSLATEBLUE = RGB(72, 61, 139)
DARKSLATEGRAY = RGB(47, 79, 79)
DARKSLATEGRAY1 = RGB(151, 255, 255)
DARKSLATEGRAY2 = RGB(141, 238, 238)
DARKSLATEGRAY3 = RGB(121, 205, 205)
DARKSLATEGRAY4 = RGB(82, 139, 139)
DARKTURQUOISE = RGB(0, 206, 209)
DARKVIOLET = RGB(148, 0, 211)
DEEPPINK1 = RGB(255, 20, 147)
DEEPPINK2 = RGB(238, 18, 137)
DEEPPINK3 = RGB(205, 16, 118)
DEEPPINK4 = RGB(139, 10, 80)
```

```
DEEPSKYBLUE1 = RGB(0, 191, 255)
DEEPSKYBLUE2 = RGB(0, 178, 238)
DEEPSKYBLUE3 = RGB(0, 154, 205)
DEEPSKYBLUE4 = RGB(0, 104, 139)
DIMGRAY = RGB(105, 105, 105)
DIMGRAY = RGB(105, 105, 105)
DODGERBLUE1 = RGB(30, 144, 255)
DODGERBLUE2 = RGB(28, 134, 238)
DODGERBLUE3 = RGB(24, 116, 205)
DODGERBLUE4 = RGB(16, 78, 139)
EGGSHELL = RGB(252, 230, 201)
EMERALDGREEN = RGB(0, 201, 87)
FIREBRICK = RGB(178, 34, 34)
FIREBRICK1 = RGB(255, 48, 48)
FIREBRICK2 = RGB(238, 44, 44)
FIREBRICK3 = RGB(205, 38, 38)
FIREBRICK4 = RGB(139, 26, 26)
FLESH = RGB(255, 125, 64)
FLORALWHITE = RGB(255, 250, 240)
FORESTGREEN = RGB(34, 139, 34)
GAINSBORO = RGB(220, 220, 220)
GHOSTWHITE = RGB(248, 248, 255)
GOLD1 = RGB(255, 215, 0)
GOLD2 = RGB(238, 201, 0)
GOLD3 = RGB(205, 173, 0)
GOLD4 = RGB(139, 117, 0)
GOLDENROD = RGB(218, 165, 32)
GOLDENROD1 = RGB(255, 193, 37)
GOLDENROD2 = RGB(238, 180, 34)
GOLDENROD3 = RGB(205, 155, 29)
GOLDENROD4 = RGB(139, 105, 20)
GRAY = RGB(128, 128, 128)
GRAY1 = RGB(3, 3, 3)
GRAY10 = RGB(26, 26, 26)
GRAY11 = RGB(28, 28, 28)
GRAY12 = RGB(31, 31, 31)
GRAY13 = RGB(33, 33, 33)
GRAY14 = RGB(36, 36, 36)
GRAY15 = RGB(38, 38, 38)
GRAY16 = RGB(41, 41, 41)
GRAY17 = RGB(43, 43, 43)
```

```
GRAY18 = RGB(46, 46, 46)
GRAY19 = RGB(48, 48, 48)
GRAY2 = RGB(5, 5, 5)
GRAY20 = RGB(51, 51, 51)
GRAY21 = RGB(54, 54, 54)
GRAY22 = RGB(56, 56, 56)
GRAY23 = RGB(59, 59, 59)
GRAY24 = RGB(61, 61, 61)
GRAY25 = RGB(64, 64, 64)
GRAY26 = RGB(66, 66, 66)
GRAY27 = RGB(69, 69, 69)
GRAY28 = RGB(71, 71, 71)
GRAY29 = RGB(74, 74, 74)
GRAY3 = RGB(8, 8, 8)
GRAY30 = RGB(77, 77, 77)
GRAY31 = RGB(79, 79, 79)
GRAY32 = RGB(82, 82, 82)
GRAY33 = RGB(84, 84, 84)
GRAY34 = RGB(87, 87, 87)
GRAY35 = RGB(89, 89, 89)
GRAY36 = RGB(92, 92, 92)
GRAY37 = RGB(94, 94, 94)
GRAY38 = RGB(97, 97, 97)
GRAY39 = RGB(99, 99, 99)
GRAY4 = RGB(10, 10, 10)
GRAY40 = RGB(102, 102, 102)
GRAY42 = RGB(107, 107, 107)
GRAY43 = RGB(110, 110, 110)
GRAY44 = RGB(112, 112, 112)
GRAY45 = RGB(115, 115, 115)
GRAY46 = RGB(117, 117, 117)
GRAY47 = RGB(120, 120, 120)
GRAY48 = RGB(122, 122, 122)
GRAY49 = RGB(125, 125, 125)
GRAY5 = RGB(13, 13, 13)
GRAY50 = RGB(127, 127, 127)
GRAY51 = RGB(130, 130, 130)
GRAY52 = RGB(133, 133, 133)
GRAY53 = RGB(135, 135, 135)
GRAY54 = RGB(138, 138, 138)
GRAY55 = RGB(140, 140, 140)
```

```
GRAY56 = RGB(143, 143, 143)
GRAY57 = RGB(145, 145, 145)
GRAY58 = RGB(148, 148, 148)
GRAY59 = RGB(150, 150, 150)
GRAY6 = RGB(15, 15, 15)
GRAY60 = RGB(153, 153, 153)
GRAY61 = RGB(156, 156, 156)
GRAY62 = RGB(158, 158, 158)
GRAY63 = RGB(161, 161, 161)
GRAY64 = RGB(163, 163, 163)
GRAY65 = RGB(166, 166, 166)
GRAY66 = RGB(168, 168, 168)
GRAY67 = RGB(171, 171, 171)
GRAY68 = RGB(173, 173, 173)
GRAY69 = RGB(176, 176, 176)
GRAY7 = RGB(18, 18, 18)
GRAY70 = RGB(179, 179, 179)
GRAY71 = RGB(181, 181, 181)
GRAY72 = RGB(184, 184, 184)
GRAY73 = RGB(186, 186, 186)
GRAY74 = RGB(189, 189, 189)
GRAY75 = RGB(191, 191, 191)
GRAY76 = RGB(194, 194, 194)
GRAY77 = RGB(196, 196, 196)
GRAY78 = RGB(199, 199, 199)
GRAY79 = RGB(201, 201, 201)
GRAY8 = RGB(20, 20, 20)
GRAY80 = RGB(204, 204, 204)
GRAY81 = RGB(207, 207, 207)
GRAY82 = RGB(209, 209, 209)
GRAY83 = RGB(212, 212, 212)
GRAY84 = RGB(214, 214, 214)
GRAY85 = RGB(217, 217, 217)
GRAY86 = RGB(219, 219, 219)
GRAY87 = RGB(222, 222, 222)
GRAY88 = RGB(224, 224, 224)
GRAY89 = RGB(227, 227, 227)
GRAY9 = RGB(23, 23, 23)
GRAY90 = RGB(229, 229, 229)
GRAY91 = RGB(232, 232, 232)
GRAY92 = RGB(235, 235, 235)
```

```
GRAY93 = RGB(237, 237, 237)
GRAY94 = RGB(240, 240, 240)
GRAY95 = RGB(242, 242, 242)
GRAY97 = RGB(247, 247, 247)
GRAY98 = RGB(250, 250, 250)
GRAY99 = RGB(252, 252, 252)
GREEN = RGB(0, 128, 0)
GREEN1 = RGB(0, 255, 0)
GREEN2 = RGB(0, 238, 0)
GREEN3 = RGB(0, 205, 0)
GREEN4 = RGB(0, 139, 0)
GREENYELLOW = RGB(173, 255, 47)
HONEYDEW1 = RGB(240, 255, 240)
HONEYDEW2 = RGB(224, 238, 224)
HONEYDEW3 = RGB(193, 205, 193)
HONEYDEW4 = RGB(131, 139, 131)
HOTPINK = RGB(255, 105, 180)
HOTPINK1 = RGB(255, 110, 180)
HOTPINK2 = RGB(238, 106, 167)
HOTPINK3 = RGB(205, 96, 144)
HOTPINK4 = RGB(139, 58, 98)
INDIANRED = RGB(176, 23, 31)
INDIANRED = RGB(205, 92, 92)
INDIANRED1 = RGB(255, 106, 106)
INDIANRED2 = RGB(238, 99, 99)
INDIANRED3 = RGB(205, 85, 85)
INDIANRED4 = RGB(139, 58, 58)
INDIGO = RGB(75, 0, 130)
IVORY1 = RGB(255, 255, 240)
IVORY2 = RGB(238, 238, 224)
IVORY3 = RGB(205, 205, 193)
IVORY4 = RGB(139, 139, 131)
IVORYBLACK = RGB(41, 36, 33)
KHAKI = RGB(240, 230, 140)
KHAKI1 = RGB(255, 246, 143)
KHAKI2 = RGB(238, 230, 133)
KHAKI3 = RGB(205, 198, 115)
KHAKI4 = RGB(139, 134, 78)
LAVENDER = RGB(230, 230, 250)
LAVENDERBLUSH1 = RGB(255, 240, 245)
LAVENDERBLUSH2 = RGB(238, 224, 229)
```

```
LAVENDERBLUSH3 = RGB(205, 193, 197)
LAVENDERBLUSH4 = RGB(139, 131, 134)
LAWNGREEN = RGB(124, 252, 0)
LEMONCHIFFON1 = RGB(255, 250, 205)
LEMONCHIFFON2 = RGB(238, 233, 191)
LEMONCHIFFON3 = RGB(205, 201, 165)
LEMONCHIFFON4 = RGB(139, 137, 112)
LIGHTBLUE = RGB(173, 216, 230)
LIGHTBLUE1 = RGB(191, 239, 255)
LIGHTBLUE2 = RGB(178, 223, 238)
LIGHTBLUE3 = RGB(154, 192, 205)
LIGHTBLUE4 = RGB(104, 131, 139)
LIGHTCORAL = RGB(240, 128, 128)
LIGHTCYAN1 = RGB(224, 255, 255)
LIGHTCYAN2 = RGB(209, 238, 238)
LIGHTCYAN3 = RGB(180, 205, 205)
LIGHTCYAN4 = RGB(122, 139, 139)
LIGHTGOLDENROD1 = RGB(255, 236, 139)
LIGHTGOLDENROD2 = RGB(238, 220, 130)
LIGHTGOLDENROD3 = RGB(205, 190, 112)
LIGHTGOLDENROD4 = RGB(139, 129, 76)
LIGHTGOLDENRODYELLOW = RGB(250, 250, 210)
LIGHTGREY = RGB(211, 211, 211)
LIGHTPINK = RGB(255, 182, 193)
LIGHTPINK1 = RGB(255, 174, 185)
LIGHTPINK2 = RGB(238, 162, 173)
LIGHTPINK3 = RGB(205, 140, 149)
LIGHTPINK4 = RGB(139, 95, 101)
LIGHTSALMON1 = RGB(255, 160, 122)
LIGHTSALMON2 = RGB(238, 149, 114)
LIGHTSALMON3 = RGB(205, 129, 98)
LIGHTSALMON4 = RGB(139, 87, 66)
LIGHTSEAGREEN = RGB(32, 178, 170)
LIGHTSKYBLUE = RGB(135, 206, 250)
LIGHTSKYBLUE1 = RGB(176, 226, 255)
LIGHTSKYBLUE2 = RGB(164, 211, 238)
LIGHTSKYBLUE3 = RGB(141, 182, 205)
LIGHTSKYBLUE4 = RGB(96, 123, 139)
LIGHTSLATEBLUE = RGB(132, 112, 255)
LIGHTSLATEGRAY = RGB(119, 136, 153)
LIGHTSTEELBLUE = RGB(176, 196, 222)
```

```
LIGHTSTEELBLUE1 = RGB(202, 225, 255)
LIGHTSTEELBLUE2 = RGB(188, 210, 238)
LIGHTSTEELBLUE3 = RGB(162, 181, 205)
LIGHTSTEELBLUE4 = RGB(110, 123, 139)
LIGHTYELLOW1 = RGB(255, 255, 224)
LIGHTYELLOW2 = RGB(238, 238, 209)
LIGHTYELLOW3 = RGB(205, 205, 180)
LIGHTYELLOW4 = RGB(139, 139, 122)
LIMEGREEN = RGB(50, 205, 50)
LINEN = RGB(250, 240, 230)
MAGENTA = RGB(255, 0, 255)
MAGENTA2 = RGB(238, 0, 238)
MAGENTA3 = RGB(205, 0, 205)
MAGENTA4 = RGB(139, 0, 139)
MANGANESEBLUE = RGB(3, 168, 158)
MAROON = RGB(128, 0, 0)
MAROON1 = RGB(255, 52, 179)
MAROON2 = RGB(238, 48, 167)
MAROON3 = RGB(205, 41, 144)
MAROON4 = RGB(139, 28, 98)
MEDIUMORCHID = RGB(186, 85, 211)
MEDIUMORCHID1 = RGB(224, 102, 255)
MEDIUMORCHID2 = RGB(209, 95, 238)
MEDIUMORCHID3 = RGB(180, 82, 205)
MEDIUMORCHID4 = RGB(122, 55, 139)
MEDIUMPURPLE = RGB(147, 112, 219)
MEDIUMPURPLE1 = RGB(171, 130, 255)
MEDIUMPURPLE2 = RGB(159, 121, 238)
MEDIUMPURPLE3 = RGB(137, 104, 205)
MEDIUMPURPLE4 = RGB(93, 71, 139)
MEDIUMSEAGREEN = RGB(60, 179, 113)
MEDIUMSLATEBLUE = RGB(123, 104, 238)
MEDIUMSPRINGGREEN = RGB(0, 250, 154)
MEDIUMTURQUOISE = RGB(72, 209, 204)
MEDIUMVIOLETRED = RGB(199, 21, 133)
MELON = RGB(227, 168, 105)
MIDNIGHTBLUE = RGB(25, 25, 112)
MINT = RGB(189, 252, 201)
MINTCREAM = RGB(245, 255, 250)
MISTYROSE1 = RGB(255, 228, 225)
MISTYROSE2 = RGB(238, 213, 210)
```

```
MISTYROSE3 = RGB(205, 183, 181)
MISTYROSE4 = RGB(139, 125, 123)
MOCCASIN = RGB(255, 228, 181)
NAVAJOWHITE1 = RGB(255, 222, 173)
NAVAJOWHITE2 = RGB(238, 207, 161)
NAVAJOWHITE3 = RGB(205, 179, 139)
NAVAJOWHITE4 = RGB(139, 121, 94)
NAVY = RGB(0, 0, 128)
OLDLACE = RGB(253, 245, 230)
OLIVE = RGB(128, 128, 0)
OLIVEDRAB = RGB(107, 142, 35)
OLIVEDRAB1 = RGB(192, 255, 62)
OLIVEDRAB2 = RGB(179, 238, 58)
OLIVEDRAB3 = RGB(154, 205, 50)
OLIVEDRAB4 = RGB(105, 139, 34)
ORANGE = RGB(255, 128, 0)
ORANGE1 = RGB(255, 165, 0)
ORANGE2 = RGB(238, 154, 0)
ORANGE3 = RGB(205, 133, 0)
ORANGE4 = RGB(139, 90, 0)
ORANGERED1 = RGB(255, 69, 0)
ORANGERED2 = RGB(238, 64, 0)
ORANGERED3 = RGB(205, 55, 0)
ORANGERED4 = RGB(139, 37, 0)
ORCHID = RGB(218, 112, 214)
ORCHID1 = RGB(255, 131, 250)
ORCHID2 = RGB(238, 122, 233)
ORCHID3 = RGB(205, 105, 201)
ORCHID4 = RGB(139, 71, 137)
PALEGOLDENROD = RGB(238, 232, 170)
PALEGREEN = RGB(152, 251, 152)
PALEGREEN1 = RGB(154, 255, 154)
PALEGREEN2 = RGB(144, 238, 144)
PALEGREEN3 = RGB(124, 205, 124)
PALEGREEN4 = RGB(84, 139, 84)
PALETURQUOISE1 = RGB(187, 255, 255)
PALETURQUOISE2 = RGB(174, 238, 238)
PALETURQUOISE3 = RGB(150, 205, 205)
PALETURQUOISE4 = RGB(102, 139, 139)
PALEVIOLETRED = RGB(219, 112, 147)
PALEVIOLETRED1 = RGB(255, 130, 171)
```

```
PALEVIOLETRED2 = RGB(238, 121, 159)
PALEVIOLETRED3 = RGB(205, 104, 137)
PALEVIOLETRED4 = RGB(139, 71, 93)
PAPAYAWHIP = RGB(255, 239, 213)
PEACHPUFF1 = RGB(255, 218, 185)
PEACHPUFF2 = RGB(238, 203, 173)
PEACHPUFF3 = RGB(205, 175, 149)
PEACHPUFF4 = RGB(139, 119, 101)
PEACOCK = RGB(51, 161, 201)
PINK = RGB(255, 192, 203)
PINK1 = RGB(255, 181, 197)
PINK2 = RGB(238, 169, 184)
PINK3 = RGB(205, 145, 158)
PINK4 = RGB(139, 99, 108)
PLUM = RGB(221, 160, 221)
PLUM1 = RGB(255, 187, 255)
PLUM2 = RGB(238, 174, 238)
PLUM3 = RGB(205, 150, 205)
PLUM4 = RGB(139, 102, 139)
POWDERBLUE = RGB(176, 224, 230)
PURPLE = RGB(128, 0, 128)
PURPLE1 = RGB(155, 48, 255)
PURPLE2 = RGB(145, 44, 238)
PURPLE3 = RGB(125, 38, 205)
PURPLE4 = RGB(85, 26, 139)
RASPBERRY = RGB(135, 38, 87)
RAWSIENNA = RGB(199, 97, 20)
RED1 = RGB(255, 0, 0)
RED2 = RGB(238, 0, 0)
RED3 = RGB(205, 0, 0)
RED4 = RGB(139, 0, 0)
ROSYBROWN = RGB(188, 143, 143)
ROSYBROWN1 = RGB(255, 193, 193)
ROSYBROWN2 = RGB(238, 180, 180)
ROSYBROWN3 = RGB(205, 155, 155)
ROSYBROWN4 = RGB(139, 105, 105)
ROYALBLUE = RGB(65, 105, 225)
ROYALBLUE1 = RGB(72, 118, 255)
ROYALBLUE2 = RGB(67, 110, 238)
ROYALBLUE3 = RGB(58, 95, 205)
ROYALBLUE4 = RGB(39, 64, 139)
```

```
SALMON = RGB(250, 128, 114)
SALMON1 = RGB(255, 140, 105)
SALMON2 = RGB(238, 130, 98)
SALMON3 = RGB(205, 112, 84)
SALMON4 = RGB(139, 76, 57)
SANDYBROWN = RGB(244, 164, 96)
SAPGREEN = RGB(48, 128, 20)
SEAGREEN1 = RGB(84, 255, 159)
SEAGREEN2 = RGB(78, 238, 148)
SEAGREEN3 = RGB(67, 205, 128)
SEAGREEN4 = RGB(46, 139, 87)
SEASHELL1 = RGB(255, 245, 238)
SEASHELL2 = RGB(238, 229, 222)
SEASHELL3 = RGB(205, 197, 191)
SEASHELL4 = RGB(139, 134, 130)
SEPIA = RGB(94, 38, 18)
SGIBEET = RGB(142, 56, 142)
SGIBRIGHTGRAY = RGB(197, 193, 170)
SGICHARTREUSE = RGB(113, 198, 113)
SGIDARKGRAY = RGB(85, 85, 85)
SIGIGRAY12 = RGB(30, 30, 30)
SIGIGRAY16 = RGB(40, 40, 40)
SIGIGRAY32 = RGB(81, 81, 81)
SIGIGRAY36 = RGB(91, 91, 91)
SIGIGRAY52 = RGB(132, 132, 132)
SIGIGRAY56 = RGB(142, 142, 142)
SIGIGRAY72 = RGB(183, 183, 183)
SIGIGRAY76 = RGB(193, 193, 193)
SIGIGRAY92 = RGB(234, 234, 234)
SIGIGRAY96 = RGB(244, 244, 244)
SGILIGHTBLUE = RGB(125, 158, 192)
SGILIGHTGRAY = RGB(170, 170, 170)
SGIOLIVEDRAB = RGB(142, 142, 56)
SGISALMON = RGB(198, 113, 113)
SGISLATEBLUE = RGB(113, 113, 198)
SGITEAL = RGB(56, 142, 142)
SIENNA = RGB(160, 82, 45)
SIENNA1 = RGB(255, 130, 71)
SIENNA2 = RGB(238, 121, 66)
SIENNA3 = RGB(205, 104, 57)
SIENNA4 = RGB(139, 71, 38)
```

```
SILVER = RGB(192, 192, 192)
SKYBLUE = RGB(135, 206, 235)
SKYBLUE1 = RGB(135, 206, 255)
SKYBLUE2 = RGB(126, 192, 238)
SKYBLUE3 = RGB(108, 166, 205)
SKYBLUE4 = RGB(74, 112, 139)
SLATEBLUE = RGB(106, 90, 205)
SLATEBLUE1 = RGB(131, 111, 255)
SLATEBLUE2 = RGB(122, 103, 238)
SLATEBLUE3 = RGB(105, 89, 205)
SLATEBLUE4 = RGB(71, 60, 139)
SLATEGRAY = RGB(112, 128, 144)
SLATEGRAY1 = RGB(198, 226, 255)
SLATEGRAY2 = RGB(185, 211, 238)
SLATEGRAY3 = RGB(159, 182, 205)
SLATEGRAY4 = RGB(108, 123, 139)
SNOW1 = RGB(255, 250, 250)
SNOW2 = RGB(238, 233, 233)
SNOW3 = RGB(205, 201, 201)
SNOW4 = RGB(139, 137, 137)
SPRINGGREEN = RGB(0, 255, 127)
SPRINGGREEN1 = RGB(0, 238, 118)
SPRINGGREEN2 = RGB(0, 205, 102)
SPRINGGREEN3 = RGB(0, 139, 69)
STEELBLUE = RGB(70, 130, 180)
STEELBLUE1 = RGB(99, 184, 255)
STEELBLUE2 = RGB(92, 172, 238)
STEELBLUE3 = RGB(79, 148, 205)
STEELBLUE4 = RGB(54, 100, 139)
TAN = RGB(210, 180, 140)
TAN1 = RGB(255, 165, 79)
TAN2 = RGB(238, 154, 73)
TAN3 = RGB(205, 133, 63)
TAN4 = RGB(139, 90, 43)
TEAL = RGB(0, 128, 128)
THISTLE = RGB(216, 191, 216)
THISTLE1 = RGB(255, 225, 255)
THISTLE2 = RGB(238, 210, 238)
THISTLE3 = RGB(205, 181, 205)
THISTLE4 = RGB(139, 123, 139)
TOMATO1 = RGB(255, 99, 71)
```

```
TOMATO2 = RGB(238, 92, 66)
TOMATO3 = RGB(205, 79, 57)
TOMATO4 = RGB(139, 54, 38)
TURQUOISE = RGB(64, 224, 208)
TURQUOISE1 = RGB(0, 245, 255)
TURQUOISE2 = RGB(0, 229, 238)
TURQUOISE3 = RGB(0, 197, 205)
TURQUOISE4 = RGB(0, 134, 139)
TURQUOISEBLUE = RGB(0, 199, 140)
VIOLET = RGB(238, 130, 238)
VIOLETRED = RGB(208, 32, 144)
VIOLETRED1 = RGB(255, 62, 150)
VIOLETRED2 = RGB(238, 58, 140)
VIOLETRED3 = RGB(205, 50, 120)
VIOLETRED4 = RGB(139, 34, 82)
WARMGREY = RGB(128, 128, 105)
WHEAT = RGB(245, 222, 179)
WHEAT1 = RGB(255, 231, 186)
WHEAT2 = RGB(238, 216, 174)
WHEAT3 = RGB(205, 186, 150)
WHEAT4 = RGB(139, 126, 102)
WHITE = RGB(255, 255, 255)
WHITESMOKE = RGB(245, 245, 245)
WHITESMOKE = RGB(245, 245, 245)
YELLOW1 = RGB(255, 255, 0)
YELLOW2 = RGB(238, 238, 0)
YELLOW3 = RGB(205, 205, 0)
YELLOW4 = RGB(139, 139, 0)
#Add colors to colors dictionary
colors['aliceblue'] = ALICEBLUE
colors['antiquewhite'] = ANTIQUEWHITE
colors['antiquewhite1'] = ANTIQUEWHITE1
colors['antiquewhite2'] = ANTIQUEWHITE2
colors['antiquewhite3'] = ANTIQUEWHITE3
colors['antiquewhite4'] = ANTIQUEWHITE4
colors['aqua'] = AQUA
colors['aquamarine1'] = AQUAMARINE1
colors['aquamarine2'] = AQUAMARINE2
colors['aquamarine3'] = AQUAMARINE3
colors['aquamarine4'] = AQUAMARINE4
colors['azure1'] = AZURE1
```

```
colors['azure2'] = AZURE2
colors['azure3'] = AZURE3
colors['azure4'] = AZURE4
colors['banana'] = BANANA
colors['beige'] = BEIGE
colors['bisque1'] = BISQUE1
colors['bisque2'] = BISQUE2
colors['bisque3'] = BISQUE3
colors['bisque4'] = BISQUE4
colors['black'] = BLACK
colors['blanchedalmond'] = BLANCHEDALMOND
colors['blue'] = BLUE
colors['blue2'] = BLUE2
colors['blue3'] = BLUE3
colors['blue4'] = BLUE4
colors['blueviolet'] = BLUEVIOLET
colors['brick'] = BRICK
colors['brown'] = BROWN
colors['brown1'] = BROWN1
colors['brown2'] = BROWN2
colors['brown3'] = BROWN3
colors['brown4'] = BROWN4
colors['burlywood'] = BURLYWOOD
colors['burlywood1'] = BURLYWOOD1
colors['burlywood2'] = BURLYWOOD2
colors['burlywood3'] = BURLYWOOD3
colors['burlywood4'] = BURLYWOOD4
colors['burntsienna'] = BURNTSIENNA
colors['burntumber'] = BURNTNUMBER
colors['cadetblue'] = CADETBLUE
colors['cadetblue1'] = CADETBLUE1
colors['cadetblue2'] = CADETBLUE2
colors['cadetblue3'] = CADETBLUE3
colors['cadetblue4'] = CADETBLUE4
colors['cadmiumorange'] = CADMIUMORANGE
colors['cadmiumyellow'] = CADMIUMYELLOW
colors['carrot'] = CARROT
colors['chartreuse1'] = CHARTREUSE1
colors['chartreuse2'] = CHARTREUSE2
colors['chartreuse3'] = CHARTREUSE3
colors['chartreuse4'] = CHARTREUSE4
```

```
colors['chocolate'] = CHOCOLATE
colors['chocolate1'] = CHOCOLATE1
colors['chocolate2'] = CHOCOLATE2
colors['chocolate3'] = CHOCOLATE3
colors['chocolate4'] = CHOCOLATE4
colors['cobalt'] = COBALT
colors['cobaltgreen'] = COBALTGREEN
colors['coldgrey'] = COLDGREY
colors['coral'] = CORAL
colors['coral1'] = CORAL1
colors['coral2'] = CORAL2
colors['coral3'] = CORAL3
colors['coral4'] = CORAL4
colors['cornflowerblue'] = CORNFLOWERBLUE
colors['cornsilk1'] = CORNSILK1
colors['cornsilk2'] = CORNSILK2
colors['cornsilk3'] = CORNSILK3
colors['cornsilk4'] = CORNSILK4
colors['crimson'] = CRIMSON
colors['cyan2'] = CYAN2
colors['cyan3'] = CYAN3
colors['cyan4'] = CYAN4
colors['darkgoldenrod'] = DARKGOLDENROD
colors['darkgoldenrod1'] = DARKGOLDENROD1
colors['darkgoldenrod2'] = DARKGOLDENROD2
colors['darkgoldenrod3'] = DARKGOLDENROD3
colors['darkgoldenrod4'] = DARKGOLDENROD4
colors['darkgray'] = DARKGRAY
colors['darkgreen'] = DARKGREEN
colors['darkkhaki'] = DARKKHAKI
colors['darkolivegreen'] = DARKOLIVEGREEN
colors['darkolivegreen1'] = DARKOLIVEGREEN1
colors['darkolivegreen2'] = DARKOLIVEGREEN2
colors['darkolivegreen3'] = DARKOLIVEGREEN3
colors['darkolivegreen4'] = DARKOLIVEGREEN4
colors['darkorange'] = DARKORANGE
colors['darkorange1'] = DARKORANGE1
colors['darkorange2'] = DARKORANGE2
colors['darkorange3'] = DARKORANGE3
colors['darkorange4'] = DARKORANGE4
colors['darkorchid'] = DARKORCHID
```

```
colors['darkorchid1'] = DARKORCHID1
colors['darkorchid2'] = DARKORCHID2
colors['darkorchid3'] = DARKORCHID3
colors['darkorchid4'] = DARKORCHID4
colors['darksalmon'] = DARKSALMON
colors['darkseagreen'] = DARKSEAGREEN
colors['darkseagreen1'] = DARKSEAGREEN1
colors['darkseagreen2'] = DARKSEAGREEN2
colors['darkseagreen3'] = DARKSEAGREEN3
colors['darkseagreen4'] = DARKSEAGREEN4
colors['darkslateblue'] = DARKSLATEBLUE
colors['darkslategray'] = DARKSLATEGRAY
colors['darkslategray1'] = DARKSLATEGRAY1
colors['darkslategray2'] = DARKSLATEGRAY2
colors['darkslategray3'] = DARKSLATEGRAY3
colors['darkslategray4'] = DARKSLATEGRAY4
colors['darkturquoise'] = DARKTURQUOISE
colors['darkviolet'] = DARKVIOLET
colors['deeppink1'] = DEEPPINK1
colors['deeppink2'] = DEEPPINK2
colors['deeppink3'] = DEEPPINK3
colors['deeppink4'] = DEEPPINK4
colors['deepskyblue1'] = DEEPSKYBLUE1
colors['deepskyblue2'] = DEEPSKYBLUE2
colors['deepskyblue3'] = DEEPSKYBLUE3
colors['deepskyblue4'] = DEEPSKYBLUE4
colors['dimgray'] = DIMGRAY
colors['dimgray'] = DIMGRAY
colors['dodgerblue1'] = DODGERBLUE1
colors['dodgerblue2'] = DODGERBLUE2
colors['dodgerblue3'] = DODGERBLUE3
colors['dodgerblue4'] = DODGERBLUE4
colors['eggshell'] = EGGSHELL
colors['emeraldgreen'] = EMERALDGREEN
colors['firebrick'] = FIREBRICK
colors['firebrick1'] = FIREBRICK1
colors['firebrick2'] = FIREBRICK2
colors['firebrick3'] = FIREBRICK3
colors['firebrick4'] = FIREBRICK4
colors['flesh'] = FLESH
colors['floralwhite'] = FLORALWHITE
```

```
colors['forestgreen'] = FORESTGREEN
colors['gainsboro'] = GAINSBORO
colors['ghostwhite'] = GHOSTWHITE
colors['gold1'] = GOLD1
colors['gold2'] = GOLD2
colors['gold3'] = GOLD3
colors['gold4'] = GOLD4
colors['goldenrod'] = GOLDENROD
colors['goldenrod1'] = GOLDENROD1
colors['goldenrod2'] = GOLDENROD2
colors['goldenrod3'] = GOLDENROD3
colors['goldenrod4'] = GOLDENROD4
colors['gray'] = GRAY
colors['gray1'] = GRAY1
colors['gray10'] = GRAY10
colors['gray11'] = GRAY11
colors['gray12'] = GRAY12
colors['gray13'] = GRAY13
colors['gray14'] = GRAY14
colors['gray15'] = GRAY15
colors['gray16'] = GRAY16
colors['gray17'] = GRAY17
colors['gray18'] = GRAY18
colors['gray19'] = GRAY19
colors['gray2'] = GRAY2
colors['gray20'] = GRAY20
colors['gray21'] = GRAY21
colors['gray22'] = GRAY22
colors['gray23'] = GRAY23
colors['gray24'] = GRAY24
colors['gray25'] = GRAY25
colors['gray26'] = GRAY26
colors['gray27'] = GRAY27
colors['gray28'] = GRAY28
colors['gray29'] = GRAY29
colors['gray3'] = GRAY3
colors['gray30'] = GRAY30
colors['gray31'] = GRAY31
colors['gray32'] = GRAY32
colors['gray33'] = GRAY33
colors['gray34'] = GRAY34
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```
colors['gray35'] = GRAY35
colors['gray36'] = GRAY36
colors['gray37'] = GRAY37
colors['gray38'] = GRAY38
colors['gray39'] = GRAY39
colors['gray4'] = GRAY4
colors['gray40'] = GRAY40
colors['gray42'] = GRAY42
colors['gray43'] = GRAY43
colors['gray44'] = GRAY44
colors['gray45'] = GRAY45
colors['gray46'] = GRAY46
colors['gray47'] = GRAY47
colors['gray48'] = GRAY48
colors['gray49'] = GRAY49
colors['gray5'] = GRAY5
colors['gray50'] = GRAY50
colors['gray51'] = GRAY51
colors['gray52'] = GRAY52
colors['gray53'] = GRAY53
colors['gray54'] = GRAY54
colors['gray55'] = GRAY55
colors['gray56'] = GRAY56
colors['gray57'] = GRAY57
colors['gray58'] = GRAY58
colors['gray59'] = GRAY59
colors['gray6'] = GRAY6
colors['gray60'] = GRAY60
colors['gray61'] = GRAY61
colors['gray62'] = GRAY62
colors['gray63'] = GRAY63
colors['gray64'] = GRAY64
colors['gray65'] = GRAY65
colors['gray66'] = GRAY66
colors['gray67'] = GRAY67
colors['gray68'] = GRAY68
colors['gray69'] = GRAY69
colors['gray7'] = GRAY7
colors['gray70'] = GRAY70
colors['gray71'] = GRAY71
colors['gray72'] = GRAY72
```

```
colors['gray73'] = GRAY73
colors['gray74'] = GRAY74
colors['gray75'] = GRAY75
colors['gray76'] = GRAY76
colors['gray77'] = GRAY77
colors['gray78'] = GRAY78
colors['gray79'] = GRAY79
colors['gray8'] = GRAY8
colors['gray80'] = GRAY80
colors['gray81'] = GRAY81
colors['gray82'] = GRAY82
colors['gray83'] = GRAY83
colors['gray84'] = GRAY84
colors['gray85'] = GRAY85
colors['gray86'] = GRAY86
colors['gray87'] = GRAY87
colors['gray88'] = GRAY88
colors['gray89'] = GRAY89
colors['gray9'] = GRAY9
colors['gray90'] = GRAY90
colors['gray91'] = GRAY91
colors['gray92'] = GRAY92
colors['gray93'] = GRAY93
colors['gray94'] = GRAY94
colors['gray95'] = GRAY95
colors['gray97'] = GRAY97
colors['gray98'] = GRAY98
colors['gray99'] = GRAY99
colors['green'] = GREEN
colors['green1'] = GREEN1
colors['green2'] = GREEN2
colors['green3'] = GREEN3
colors['green4'] = GREEN4
colors['greenyellow'] = GREENYELLOW
colors['honeydew1'] = HONEYDEW1
colors['honeydew2'] = HONEYDEW2
colors['honeydew3'] = HONEYDEW3
colors['honeydew4'] = HONEYDEW4
colors['hotpink'] = HOTPINK
colors['hotpink1'] = HOTPINK1
colors['hotpink2'] = HOTPINK2
```

```
colors['hotpink3'] = HOTPINK3
colors['hotpink4'] = HOTPINK4
colors['indianred'] = INDIANRED
colors['indianred'] = INDIANRED
colors['indianred1'] = INDIANRED1
colors['indianred2'] = INDIANRED2
colors['indianred3'] = INDIANRED3
colors['indianred4'] = INDIANRED4
colors['indigo'] = INDIGO
colors['ivory1'] = IVORY1
colors['ivory2'] = IVORY2
colors['ivory3'] = IVORY3
colors['ivory4'] = IVORY4
colors['ivoryblack'] = IVORYBLACK
colors['khaki'] = KHAKI
colors['khaki1'] = KHAKI1
colors['khaki2'] = KHAKI2
colors['khaki3'] = KHAKI3
colors['khaki4'] = KHAKI4
colors['lavender'] = LAVENDER
colors['lavenderblush1'] = LAVENDERBLUSH1
colors['lavenderblush2'] = LAVENDERBLUSH2
colors['lavenderblush3'] = LAVENDERBLUSH3
colors['lavenderblush4'] = LAVENDERBLUSH4
colors['lawngreen'] = LAWNGREEN
colors['lemonchiffon1'] = LEMONCHIFFON1
colors['lemonchiffon2'] = LEMONCHIFFON2
colors['lemonchiffon3'] = LEMONCHIFFON3
colors['lemonchiffon4'] = LEMONCHIFFON4
colors['lightblue'] = LIGHTBLUE
colors['lightblue1'] = LIGHTBLUE1
colors['lightblue2'] = LIGHTBLUE2
colors['lightblue3'] = LIGHTBLUE3
colors['lightblue4'] = LIGHTBLUE4
colors['lightcoral'] = LIGHTCORAL
colors['lightcyan1'] = LIGHTCYAN1
colors['lightcyan2'] = LIGHTCYAN2
colors['lightcyan3'] = LIGHTCYAN3
colors['lightcyan4'] = LIGHTCYAN4
colors['lightgoldenrod1'] = LIGHTGOLDENROD1
colors['lightgoldenrod2'] = LIGHTGOLDENROD2
```

```
colors['lightgoldenrod3'] = LIGHTGOLDENROD3
colors['lightgoldenrod4'] = LIGHTGOLDENROD4
colors['lightgoldenrodyellow'] = LIGHTGOLDENRODYELLOW
colors['lightgrey'] = LIGHTGREY
colors['lightpink'] = LIGHTPINK
colors['lightpink1'] = LIGHTPINK1
colors['lightpink2'] = LIGHTPINK2
colors['lightpink3'] = LIGHTPINK3
colors['lightpink4'] = LIGHTPINK4
colors['lightsalmon1'] = LIGHTSALMON1
colors['lightsalmon2'] = LIGHTSALMON2
colors['lightsalmon3'] = LIGHTSALMON3
colors['lightsalmon4'] = LIGHTSALMON4
colors['lightseagreen'] = LIGHTSEAGREEN
colors['lightskyblue'] = LIGHTSKYBLUE
colors['lightskyblue1'] = LIGHTSKYBLUE1
colors['lightskyblue2'] = LIGHTSKYBLUE2
colors['lightskyblue3'] = LIGHTSKYBLUE3
colors['lightskyblue4'] = LIGHTSKYBLUE4
colors['lightslateblue'] = LIGHTSLATEBLUE
colors['lightslategray'] = LIGHTSLATEGRAY
colors['lightsteelblue'] = LIGHTSTEELBLUE
colors['lightsteelblue1'] = LIGHTSTEELBLUE1
colors['lightsteelblue2'] = LIGHTSTEELBLUE2
colors['lightsteelblue3'] = LIGHTSTEELBLUE3
colors['lightsteelblue4'] = LIGHTSTEELBLUE4
colors['lightyellow1'] = LIGHTYELLOW1
colors['lightyellow2'] = LIGHTYELLOW2
colors['lightyellow3'] = LIGHTYELLOW3
colors['lightyellow4'] = LIGHTYELLOW4
colors['limegreen'] = LIMEGREEN
colors['linen'] = LINEN
colors['magenta'] = MAGENTA
colors['magenta2'] = MAGENTA2
colors['magenta3'] = MAGENTA3
colors['magenta4'] = MAGENTA4
colors['manganeseblue'] = MANGANESEBLUE
colors['maroon'] = MAROON
colors['maroon1'] = MAROON1
colors['maroon2'] = MAROON2
colors['maroon3'] = MAROON3
```

```
colors['maroon4'] = MAROON4
colors['mediumorchid'] = MEDIUMORCHID
colors['mediumorchid1'] = MEDIUMORCHID1
colors['mediumorchid2'] = MEDIUMORCHID2
colors['mediumorchid3'] = MEDIUMORCHID3
colors['mediumorchid4'] = MEDIUMORCHID4
colors['mediumpurple'] = MEDIUMPURPLE
colors['mediumpurple1'] = MEDIUMPURPLE1
colors['mediumpurple2'] = MEDIUMPURPLE2
colors['mediumpurple3'] = MEDIUMPURPLE3
colors['mediumpurple4'] = MEDIUMPURPLE4
colors['mediumseagreen'] = MEDIUMSEAGREEN
colors['mediumslateblue'] = MEDIUMSLATEBLUE
colors['mediumspringgreen'] = MEDIUMSPRINGGREEN
colors['mediumturquoise'] = MEDIUMTURQUOISE
colors['mediumvioletred'] = MEDIUMVIOLETRED
colors['melon'] = MELON
colors['midnightblue'] = MIDNIGHTBLUE
colors['mint'] = MINT
colors['mintcream'] = MINTCREAM
colors['mistyrose1'] = MISTYROSE1
colors['mistyrose2'] = MISTYROSE2
colors['mistyrose3'] = MISTYROSE3
colors['mistyrose4'] = MISTYROSE4
colors['moccasin'] = MOCCASIN
colors['navajowhite1'] = NAVAJOWHITE1
colors['navajowhite2'] = NAVAJOWHITE2
colors['navajowhite3'] = NAVAJOWHITE3
colors['navajowhite4'] = NAVAJOWHITE4
colors['navy'] = NAVY
colors['oldlace'] = OLDLACE
colors['olive'] = OLIVE
colors['olivedrab'] = OLIVEDRAB
colors['olivedrab1'] = OLIVEDRAB1
colors['olivedrab2'] = OLIVEDRAB2
colors['olivedrab3'] = OLIVEDRAB3
colors['olivedrab4'] = OLIVEDRAB4
colors['orange'] = ORANGE
colors['orange1'] = ORANGE1
colors['orange2'] = ORANGE2
colors['orange3'] = ORANGE3
```

```
colors['orange4'] = ORANGE4
colors['orangered1'] = ORANGERED1
colors['orangered2'] = ORANGERED2
colors['orangered3'] = ORANGERED3
colors['orangered4'] = ORANGERED4
colors['orchid'] = ORCHID
colors['orchid1'] = ORCHID1
colors['orchid2'] = ORCHID2
colors['orchid3'] = ORCHID3
colors['orchid4'] = ORCHID4
colors['palegoldenrod'] = PALEGOLDENROD
colors['palegreen'] = PALEGREEN
colors['palegreen1'] = PALEGREEN1
colors['palegreen2'] = PALEGREEN2
colors['palegreen3'] = PALEGREEN3
colors['palegreen4'] = PALEGREEN4
colors['paleturquoise1'] = PALETURQUOISE1
colors['paleturquoise2'] = PALETURQUOISE2
colors['paleturquoise3'] = PALETURQUOISE3
colors['paleturquoise4'] = PALETURQUOISE4
colors['palevioletred'] = PALEVIOLETRED
colors['palevioletred1'] = PALEVIOLETRED1
colors['palevioletred2'] = PALEVIOLETRED2
colors['palevioletred3'] = PALEVIOLETRED3
colors['palevioletred4'] = PALEVIOLETRED4
colors['papayawhip'] = PAPAYAWHIP
colors['peachpuff1'] = PEACHPUFF1
colors['peachpuff2'] = PEACHPUFF2
colors['peachpuff3'] = PEACHPUFF3
colors['peachpuff4'] = PEACHPUFF4
colors['peacock'] = PEACOCK
colors['pink'] = PINK
colors['pink1'] = PINK1
colors['pink2'] = PINK2
colors['pink3'] = PINK3
colors['pink4'] = PINK4
colors['plum'] = PLUM
colors['plum1'] = PLUM1
colors['plum2'] = PLUM2
colors['plum3'] = PLUM3
colors['plum4'] = PLUM4
```

```
colors['powderblue'] = POWDERBLUE
colors['purple'] = PURPLE
colors['purple1'] = PURPLE1
colors['purple2'] = PURPLE2
colors['purple3'] = PURPLE3
colors['purple4'] = PURPLE4
colors['raspberry'] = RASPBERRY
colors['rawsienna'] = RAWSIENNA
colors['red1'] = RED1
colors['red2'] = RED2
colors['red3'] = RED3
colors['red4'] = RED4
colors['rosybrown'] = ROSYBROWN
colors['rosybrown1'] = ROSYBROWN1
colors['rosybrown2'] = ROSYBROWN2
colors['rosybrown3'] = ROSYBROWN3
colors['rosybrown4'] = ROSYBROWN4
colors['royalblue'] = ROYALBLUE
colors['royalblue1'] = ROYALBLUE1
colors['royalblue2'] = ROYALBLUE2
colors['royalblue3'] = ROYALBLUE3
colors['royalblue4'] = ROYALBLUE4
colors['salmon'] = SALMON
colors['salmon1'] = SALMON1
colors['salmon2'] = SALMON2
colors['salmon3'] = SALMON3
colors['salmon4'] = SALMON4
colors['sandybrown'] = SANDYBROWN
colors['sapgreen'] = SAPGREEN
colors['seagreen1'] = SEAGREEN1
colors['seagreen2'] = SEAGREEN2
colors['seagreen3'] = SEAGREEN3
colors['seagreen4'] = SEAGREEN4
colors['seashell1'] = SEASHELL1
colors['seashell2'] = SEASHELL2
colors['seashell3'] = SEASHELL3
colors['seashell4'] = SEASHELL4
colors['sepia'] = SEPIA
colors['sgibeet'] = SGIBEET
colors['sgibrightgray'] = SGIBRIGHTGRAY
colors['sgichartreuse'] = SGICHARTREUSE
```

```
colors['sgidarkgray'] = SGIDARKGRAY
colors['sgigray12'] = SGIGRAY12
colors['sgigray16'] = SGIGRAY16
colors['sgigray32'] = SGIGRAY32
colors['sgigray36'] = SGIGRAY36
colors['sgigray52'] = SGIGRAY52
colors['sgigray56'] = SGIGRAY56
colors['sgigray72'] = SGIGRAY72
colors['sgigray76'] = SGIGRAY76
colors['sgigray92'] = SGIGRAY92
colors['sgigray96'] = SGIGRAY96
colors['sgilightblue'] = SGILIGHTBLUE
colors['sgilightgray'] = SGILIGHTGRAY
colors['sgiolivedrab'] = SGIOLIVEDRAB
colors['sgisalmon'] = SGISALMON
colors['sgislateblue'] = SGISLATEBLUE
colors['sgiteal'] = SGITEAL
colors['sienna'] = SIENNA
colors['sienna1'] = SIENNA1
colors['sienna2'] = SIENNA2
colors['sienna3'] = SIENNA3
colors['sienna4'] = SIENNA4
colors['silver'] = SILVER
colors['skyblue'] = SKYBLUE
colors['skyblue1'] = SKYBLUE1
colors['skyblue2'] = SKYBLUE2
colors['skyblue3'] = SKYBLUE3
colors['skyblue4'] = SKYBLUE4
colors['slateblue'] = SLATEBLUE
colors['slateblue1'] = SLATEBLUE1
colors['slateblue2'] = SLATEBLUE2
colors['slateblue3'] = SLATEBLUE3
colors['slateblue4'] = SLATEBLUE4
colors['slategray'] = SLATEGRAY
colors['slategray1'] = SLATEGRAY1
colors['slategray2'] = SLATEGRAY2
colors['slategray3'] = SLATEGRAY3
colors['slategray4'] = SLATEGRAY4
colors['snow1'] = SNOW1
colors['snow2'] = SNOW2
colors['snow3'] = SNOW3
```

```
colors['snow4'] = SNOW4
colors['springgreen'] = SPRINGGREEN
colors['springgreen1'] = SPRINGGREEN1
colors['springgreen2'] = SPRINGGREEN2
colors['springgreen3'] = SPRINGGREEN3
colors['steelblue'] = STEELBLUE
colors['steelblue1'] = STEELBLUE1
colors['steelblue2'] = STEELBLUE2
colors['steelblue3'] = STEELBLUE3
colors['steelblue4'] = STEELBLUE4
colors['tan'] = TAN
colors['tan1'] = TAN1
colors['tan2'] = TAN2
colors['tan3'] = TAN3
colors['tan4'] = TAN4
colors['teal'] = TEAL
colors['thistle'] = THISTLE
colors['thistle1'] = THISTLE1
colors['thistle2'] = THISTLE2
colors['thistle3'] = THISTLE3
colors['thistle4'] = THISTLE4
colors['tomato1'] = TOMATO1
colors['tomato2'] = TOMATO2
colors['tomato3'] = TOMATO3
colors['tomato4'] = TOMATO4
colors['turquoise'] = TURQUOISE
colors['turquoise1'] = TURQUOISE1
colors['turquoise2'] = TURQUOISE2
colors['turquoise3'] = TURQUOISE3
colors['turquoise4'] = TURQUOISE4
colors['turquoiseblue'] = TURQUOISEBLUE
colors['violet'] = VIOLET
colors['violetred'] = VIOLETRED
colors['violetred1'] = VIOLETRED1
colors['violetred2'] = VIOLETRED2
colors['violetred3'] = VIOLETRED3
colors['violetred4'] = VIOLETRED4
colors['warmingrey'] = WARMGREY
colors['wheat'] = WHEAT
colors['wheat1'] = WHEAT1
colors['wheat2'] = WHEAT2
```

```
colors['wheat3'] = WHEAT3
colors['wheat4'] = WHEAT4
colors['white'] = WHITE
colors['whitesmoke'] = WHITESMOKE
colors['whitesmoke'] = WHITESMOKE
colors['yellow1'] = YELLOW1
colors['yellow2'] = YELLOW2
colors['yellow3'] = YELLOW3
colors['yellow4'] = YELLOW4
colors = OrderedDict(sorted(colors.items(), key=lambda t: t[0]))
```

*Thanks to cloford.com for all the color names.

Written by Nat Dunn.  [Follow Nat on Twitter.](#)

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