Colors in R

An R Color Chart

AUTHOR	AFFILIATION
Andy Grogan-Kaylor	University of Michigan

PUBLISHED

Oct. 3, 2021

Contents
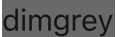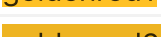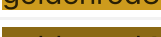
Table of Colors

#FFFFFF	white	white
#F0F8FF	aliceblue	aliceblue
#FAEBD7	antiquewhite	antiquewhite
#FFEFDB	antiquewhite1	antiquewhite1
#EEDFCC	antiquewhite2	antiquewhite2
#CDC0B0	antiquewhite3	antiquewhite3
#8B8378	antiquewhite4	antiquewhite4
#7FFFD4	aquamarine	aquamarine
#7FFFD4	aquamarine1	aquamarine1
#76EEC6	aquamarine2	aquamarine2
#66CDAA	aquamarine3	aquamarine3
#458B74	aquamarine4	aquamarine4
#F0FFFF	azure	azure
#F0FFFF	azure1	azure1
#E0EEEE	azure2	azure2
#C1CDCD	azure3	azure3
#838B8B	azure4	azure4
#F5F5DC	beige	beige

#F5F5DC	beige	beige
#FFE4C4	bisque	bisque
#FFE4C4	bisque1	bisque1
#EED5B7	bisque2	bisque2
#CDB79E	bisque3	bisque3
#8B7D6B	bisque4	bisque4
#000000	black	
#FFEBCD	blanchedalmond	blanchedalmond
#0000FF	blue	blue
#0000FF	blue1	blue1
#0000EE	blue2	blue2
#0000CD	blue3	blue3
#00008B	blue4	blue4
#8A2BE2	blueviolet	blueviolet
#A52A2A	brown	brown
#FF4040	brown1	brown1
#EE3B3B	brown2	brown2
#CD3333	brown3	brown3
#8B2323	brown4	brown4
#DEB887	burlywood	burlywood
#FFD39B	burlywood1	burlywood1
#EEC591	burlywood2	burlywood2
#CDAA7D	burlywood3	burlywood3
#8B7355	burlywood4	burlywood4
#5F9EA0	cadetblue	cadetblue
#98F5FF	cadetblue1	cadetblue1
#8EE5EE	cadetblue2	cadetblue2
#7AC5CD	cadetblue3	cadetblue3
#53868B	cadetblue4	cadetblue4
#7FFF00	chartreuse	chartreuse
#7FFF00	chartreuse1	chartreuse1
#76EE00	chartreuse2	chartreuse2
#66CD00	chartreuse3	chartreuse3
#458B00	chartreuse4	chartreuse4
#D2691E	chocolate	chocolate
#FF7F24	chocolate1	chocolate1
#EE7621	chocolate2	chocolate2

#CD661D	chocolate3	chocolate3
#8B4513	chocolate4	chocolate4
#FF7F50	coral	coral
#FF7256	coral1	coral1
#EE6A50	coral2	coral2
#CD5B45	coral3	coral3
#8B3E2F	coral4	coral4
#6495ED	cornflowerblue	cornflowerblue
#FFF8DC	cornsilk	cornsilk
#FFF8DC	cornsilk1	cornsilk1
#EEE8CD	cornsilk2	cornsilk2
#CDC8B1	cornsilk3	cornsilk3
#8B8878	cornsilk4	cornsilk4
#00FFFF	cyan	cyan
#00FFFF	cyan1	cyan1
#00EEEE	cyan2	cyan2
#00CDCD	cyan3	cyan3
#008B8B	cyan4	cyan4
#00008B	darkblue	darkblue
#008B8B	darkcyan	darkcyan
#B8860B	darkgoldenrod	darkgoldenrod
#FFB90F	darkgoldenrod1	darkgoldenrod1
#EEAD0E	darkgoldenrod2	darkgoldenrod2
#CD950C	darkgoldenrod3	darkgoldenrod3
#8B6508	darkgoldenrod4	darkgoldenrod4
#A9A9A9	darkgray	darkgray
#006400	darkgreen	darkgreen
#A9A9A9	darkgrey	darkgrey
#BDB76B	darkkhaki	darkkhaki
#8B008B	darkmagenta	darkmagenta
#556B2F	darkolivegreen	darkolivegreen
#CAFF70	darkolivegreen1	darkolivegreen1
#BCEE68	darkolivegreen2	darkolivegreen2
#A2CD5A	darkolivegreen3	darkolivegreen3
#6E8B3D	darkolivegreen4	darkolivegreen4
#FF8C00	darkorange	darkorange

#FF7F00	darkorange1	darkorange1
#EE7600	darkorange2	darkorange2
#CD6600	darkorange3	darkorange3
#8B4500	darkorange4	darkorange4
#9932CC	darkorchid	darkorchid
#BF3EFF	darkorchid1	darkorchid1
#B23AEE	darkorchid2	darkorchid2
#9A32CD	darkorchid3	darkorchid3
#68228B	darkorchid4	darkorchid4
#8B0000	darkred	darkred
#E9967A	darksalmon	darksalmon
#8FBC8F	darkseagreen	darkseagreen
#C1FFC1	darkseagreen1	darkseagreen1
#B4EEB4	darkseagreen2	darkseagreen2
#9BCD9B	darkseagreen3	darkseagreen3
#698B69	darkseagreen4	darkseagreen4
#483D8B	darkslateblue	darkslateblue
#2F4F4F	darkslategray	darkslategray
#97FFFF	darkslategray1	darkslategray1
#8DEEEE	darkslategray2	darkslategray2
#79CDCD	darkslategray3	darkslategray3
#528B8B	darkslategray4	darkslategray4
#2F4F4F	darkslategrey	darkslategrey
#00CED1	darkturquoise	darkturquoise
#9400D3	darkviolet	darkviolet
#FF1493	deeppink	deeppink
#FF1493	deeppink1	deeppink1
#EE1289	deeppink2	deeppink2
#CD1076	deeppink3	deeppink3
#8B0A50	deeppink4	deeppink4
#00BFFF	deepskyblue	deepskyblue
#00BFFF	deepskyblue1	deepskyblue1
#00B2EE	deepskyblue2	deepskyblue2
#009ACD	deepskyblue3	deepskyblue3
#00688B	deepskyblue4	deepskyblue4
#696969	dimgray	dimgray

#696969	dimgrey	dimgrey
#1E90FF	dodgerblue	dodgerblue
#1E90FF	dodgerblue1	dodgerblue1
#1C86EE	dodgerblue2	dodgerblue2
#1874CD	dodgerblue3	dodgerblue3
#104E8B	dodgerblue4	dodgerblue4
#B22222	firebrick	firebrick
#FF3030	firebrick1	firebrick1
#EE2C2C	firebrick2	firebrick2
#CD2626	firebrick3	firebrick3
#8B1A1A	firebrick4	firebrick4
#FFFAF0	floralwhite	floralwhite
#228B22	forestgreen	forestgreen
#DCDCDC	gainsboro	gainsboro
#F8F8FF	ghostwhite	ghostwhite
#FFD700	gold	gold
#FFD700	gold1	gold1
#EEC900	gold2	gold2
#CDAD00	gold3	gold3
#8B7500	gold4	gold4
#DAA520	goldenrod	goldenrod
#FFC125	goldenrod1	goldenrod1
#EEB422	goldenrod2	goldenrod2
#CD9B1D	goldenrod3	goldenrod3
#8B6914	goldenrod4	goldenrod4
#BEBEBE	gray	gray
#000000	gray0	
#030303	gray1	gray1
#050505	gray2	gray2
#080808	gray3	gray3
#0A0A0A	gray4	gray4
#0D0D0D	gray5	gray5
#0F0F0F	gray6	gray6
#121212	gray7	gray7
#141414	gray8	gray8
#171717	gray9	gray9

#1A1A1A	gray10	gray10
#1C1C1C	gray11	gray11
#1F1F1F	gray12	gray12
#212121	gray13	gray13
#242424	gray14	gray14
#262626	gray15	gray15
#292929	gray16	gray16
#2B2B2B	gray17	gray17
#2E2E2E	gray18	gray18
#303030	gray19	gray19
#333333	gray20	gray20
#363636	gray21	gray21
#383838	gray22	gray22
#3B3B3B	gray23	gray23
#3D3D3D	gray24	gray24
#404040	gray25	gray25
#424242	gray26	gray26
#454545	gray27	gray27
#474747	gray28	gray28
#4A4A4A	gray29	gray29
#4D4D4D	gray30	gray30
#4F4F4F	gray31	gray31
#525252	gray32	gray32
#545454	gray33	gray33
#575757	gray34	gray34
#595959	gray35	gray35
#5C5C5C	gray36	gray36
#5E5E5E	gray37	gray37
#616161	gray38	gray38
#636363	gray39	gray39
#666666	gray40	gray40
#696969	gray41	gray41
#6B6B6B	gray42	gray42
#6E6E6E	gray43	gray43
#707070	gray44	gray44
#737373	gray45	gray45

#757575	gray46	gray46
#787878	gray47	gray47
#7A7A7A	gray48	gray48
#7D7D7D	gray49	gray49
#7F7F7F	gray50	gray50
#828282	gray51	gray51
#858585	gray52	gray52
#878787	gray53	gray53
#8A8A8A	gray54	gray54
#8C8C8C	gray55	gray55
#8F8F8F	gray56	gray56
#919191	gray57	gray57
#949494	gray58	gray58
#969696	gray59	gray59
#999999	gray60	gray60
#9C9C9C	gray61	gray61
#9E9E9E	gray62	gray62
#A1A1A1	gray63	gray63
#A3A3A3	gray64	gray64
#A6A6A6	gray65	gray65
#A8A8A8	gray66	gray66
#ABABAB	gray67	gray67
#ADADAD	gray68	gray68
#B0B0B0	gray69	gray69
#B3B3B3	gray70	gray70
#B5B5B5	gray71	gray71
#B8B8B8	gray72	gray72
#BABABA	gray73	gray73
#BDBDBD	gray74	gray74
#BFBFBF	gray75	gray75
#C2C2C2	gray76	gray76
#C4C4C4	gray77	gray77
#C7C7C7	gray78	gray78
#C9C9C9	gray79	gray79
#CCCCCC	gray80	gray80
#CFCFCF	gray81	gray81

#D1D1D1	gray82	gray82
#D4D4D4	gray83	gray83
#D6D6D6	gray84	gray84
#D9D9D9	gray85	gray85
#DBDBDB	gray86	gray86
#DEDEDE	gray87	gray87
#E0E0E0	gray88	gray88
#E3E3E3	gray89	gray89
#E5E5E5	gray90	gray90
#E8E8E8	gray91	gray91
#EBEBEB	gray92	gray92
#EDEDED	gray93	gray93
#F0F0F0	gray94	gray94
#F2F2F2	gray95	gray95
#F5F5F5	gray96	gray96
#F7F7F7	gray97	gray97
#FAFAFA	gray98	gray98
#FCFCFC	gray99	gray99
#FFFFFF	gray100	gray100
#00FF00	green	green
#00FF00	green1	green1
#00EE00	green2	green2
#00CD00	green3	green3
#008B00	green4	green4
#ADFF2F	greenyellow	greenyellow
#BEBEBE	grey	grey
#000000	grey0	
#030303	grey1	grey1
#050505	grey2	grey2
#080808	grey3	grey3
#0A0A0A	grey4	grey4
#0D0D0D	grey5	grey5
#0F0F0F	grey6	grey6
#121212	grey7	grey7
#141414	grey8	grey8
#171717	grey9	grey9
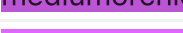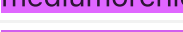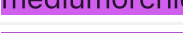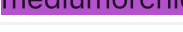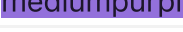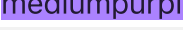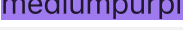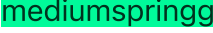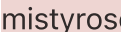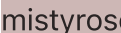
#1A1A1A	grey10	grey10
#1C1C1C	grey11	grey11
#1F1F1F	grey12	grey12
#212121	grey13	grey13
#242424	grey14	grey14
#262626	grey15	grey15
#292929	grey16	grey16
#2B2B2B	grey17	grey17
#2E2E2E	grey18	grey18
#303030	grey19	grey19
#333333	grey20	grey20
#363636	grey21	grey21
#383838	grey22	grey22
#3B3B3B	grey23	grey23
#3D3D3D	grey24	grey24
#404040	grey25	grey25
#424242	grey26	grey26
#454545	grey27	grey27
#474747	grey28	grey28
#4A4A4A	grey29	grey29
#4D4D4D	grey30	grey30
#4F4F4F	grey31	grey31
#525252	grey32	grey32
#545454	grey33	grey33
#575757	grey34	grey34
#595959	grey35	grey35
#5C5C5C	grey36	grey36
#5E5E5E	grey37	grey37
#616161	grey38	grey38
#636363	grey39	grey39
#666666	grey40	grey40
#696969	grey41	grey41
#6B6B6B	grey42	grey42
#6E6E6E	grey43	grey43
#707070	grey44	grey44
#737373	grey45	grey45

#757575	grey46	grey46
#787878	grey47	grey47
#7A7A7A	grey48	grey48
#7D7D7D	grey49	grey49
#7F7F7F	grey50	grey50
#828282	grey51	grey51
#858585	grey52	grey52
#878787	grey53	grey53
#8A8A8A	grey54	grey54
#8C8C8C	grey55	grey55
#8F8F8F	grey56	grey56
#919191	grey57	grey57
#949494	grey58	grey58
#969696	grey59	grey59
#999999	grey60	grey60
#9C9C9C	grey61	grey61
#9E9E9E	grey62	grey62
#A1A1A1	grey63	grey63
#A3A3A3	grey64	grey64
#A6A6A6	grey65	grey65
#A8A8A8	grey66	grey66
#ABABAB	grey67	grey67
#ADADAD	grey68	grey68
#B0B0B0	grey69	grey69
#B3B3B3	grey70	grey70
#B5B5B5	grey71	grey71
#B8B8B8	grey72	grey72
#BABABA	grey73	grey73
#BDBDBD	grey74	grey74
#BFBFBF	grey75	grey75
#C2C2C2	grey76	grey76
#C4C4C4	grey77	grey77
#C7C7C7	grey78	grey78
#C9C9C9	grey79	grey79
#CCCCCC	grey80	grey80
#CFCFCF	grey81	grey81

#D1D1D1	grey82	grey82
#D4D4D4	grey83	grey83
#D6D6D6	grey84	grey84
#D9D9D9	grey85	grey85
#DBDBDB	grey86	grey86
#DEDEDE	grey87	grey87
#E0E0E0	grey88	grey88
#E3E3E3	grey89	grey89
#E5E5E5	grey90	grey90
#E8E8E8	grey91	grey91
#EBEBEB	grey92	grey92
#EDEDED	grey93	grey93
#F0F0F0	grey94	grey94
#F2F2F2	grey95	grey95
#F5F5F5	grey96	grey96
#F7F7F7	grey97	grey97
#FAFAFA	grey98	grey98
#FCFCFC	grey99	grey99
#FFFFFF	grey100	grey100
#F0FFF0	honeydew	honeydew
#F0FFF0	honeydew1	honeydew1
#E0EEE0	honeydew2	honeydew2
#C1CDC1	honeydew3	honeydew3
#838B83	honeydew4	honeydew4
#FF69B4	hotpink	hotpink
#FF6EB4	hotpink1	hotpink1
#EE6AA7	hotpink2	hotpink2
#CD6090	hotpink3	hotpink3
#8B3A62	hotpink4	hotpink4
#FFFFFF	NA	NA
#FFFFFF	NA	NA
#FFFFFF	NA	NA
#FFFFFF	NA	NA
#FFFFFF	NA	NA
#FFFFF0	ivory	ivory
#FFFFF0	ivory1	ivory1
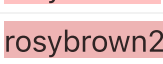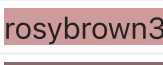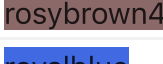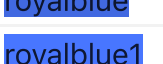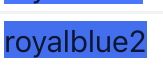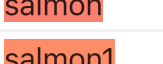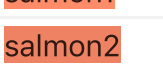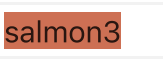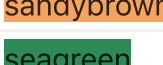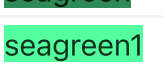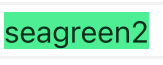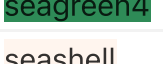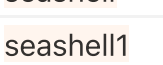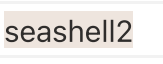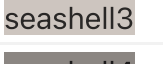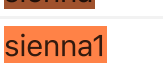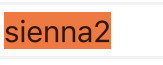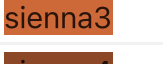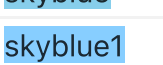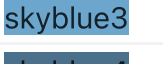
#EEEEE0	ivory2	ivory2
#CDCDC1	ivory3	ivory3
#8B8B83	ivory4	ivory4
#F0E68C	khaki	khaki
#FFF68F	khaki1	khaki1
#EEE685	khaki2	khaki2
#CDC673	khaki3	khaki3
#8B864E	khaki4	khaki4
#E6E6FA	lavender	lavender
#FFF0F5	lavenderblush	lavenderblush
#FFF0F5	lavenderblush1	lavenderblush1
#EEE0E5	lavenderblush2	lavenderblush2
#CDC1C5	lavenderblush3	lavenderblush3
#8B8386	lavenderblush4	lavenderblush4
#7CFC00	lawngreen	lawngreen
#FFFACD	lemonchiffon	lemonchiffon
#FFFACD	lemonchiffon1	lemonchiffon1
#EEE9BF	lemonchiffon2	lemonchiffon2
#CDC9A5	lemonchiffon3	lemonchiffon3
#8B8970	lemonchiffon4	lemonchiffon4
#ADD8E6	lightblue	lightblue
#BFEFFF	lightblue1	lightblue1
#B2DFEE	lightblue2	lightblue2
#9AC0CD	lightblue3	lightblue3
#68838B	lightblue4	lightblue4
#F08080	lightcoral	lightcoral
#E0FFFF	lightcyan	lightcyan
#E0FFFF	lightcyan1	lightcyan1
#D1EEEE	lightcyan2	lightcyan2
#B4CDCD	lightcyan3	lightcyan3
#7A8B8B	lightcyan4	lightcyan4
#EEDD82	lightgoldenrod	lightgoldenrod
#FFEC8B	lightgoldenrod1	lightgoldenrod1
#EEDC82	lightgoldenrod2	lightgoldenrod2
#CDBE70	lightgoldenrod3	lightgoldenrod3
#8B814C	lightgoldenrod4	lightgoldenrod4

#FAFAD2	lightgoldenrodyellow	lightgoldenrodyellow
#D3D3D3	lightgray	lightgray
#90EE90	lightgreen	lightgreen
#D3D3D3	lightgrey	lightgrey
#FFB6C1	lightpink	lightpink
#FFAEB9	lightpink1	lightpink1
#EEA2AD	lightpink2	lightpink2
#CD8C95	lightpink3	lightpink3
#8B5F65	lightpink4	lightpink4
#FFA07A	lightsalmon	lightsalmon
#FFA07A	lightsalmon1	lightsalmon1
#EE9572	lightsalmon2	lightsalmon2
#CD8162	lightsalmon3	lightsalmon3
#8B5742	lightsalmon4	lightsalmon4
#20B2AA	lightseagreen	lightseagreen
#87CEFA	lightskyblue	lightskyblue
#B0E2FF	lightskyblue1	lightskyblue1
#A4D3EE	lightskyblue2	lightskyblue2
#8DB6CD	lightskyblue3	lightskyblue3
#607B8B	lightskyblue4	lightskyblue4
#8470FF	lightslateblue	lightslateblue
#778899	lightslategray	lightslategray
#778899	lightslategrey	lightslategrey
#B0C4DE	lightsteelblue	lightsteelblue
#CAE1FF	lightsteelblue1	lightsteelblue1
#BCD2EE	lightsteelblue2	lightsteelblue2
#A2B5CD	lightsteelblue3	lightsteelblue3
#6E7B8B	lightsteelblue4	lightsteelblue4
#FFFFE0	lightyellow	lightyellow
#FFFFE0	lightyellow1	lightyellow1
#EEEED1	lightyellow2	lightyellow2
#CDCDB4	lightyellow3	lightyellow3
#8B8B7A	lightyellow4	lightyellow4
#32CD32	limegreen	limegreen
#FAF0E6	linen	linen
#FF00FF	magenta	magenta

#FF00FF	magenta1	magenta1
#EE00EE	magenta2	magenta2
#CD00CD	magenta3	magenta3
#8B008B	magenta4	magenta4
#B03060	maroon	maroon
#FF34B3	maroon1	maroon1
#EE30A7	maroon2	maroon2
#CD2990	maroon3	maroon3
#8B1C62	maroon4	maroon4
#66CDAA	mediumaquamarine	mediumaquamarine
#0000CD	mediumblue	mediumblue
#BA55D3	mediumorchid	mediumorchid
#E066FF	mediumorchid1	mediumorchid1
#D15FEE	mediumorchid2	mediumorchid2
#B452CD	mediumorchid3	mediumorchid3
#7A378B	mediumorchid4	mediumorchid4
#9370DB	mediumpurple	mediumpurple
#AB82FF	mediumpurple1	mediumpurple1
#9F79EE	mediumpurple2	mediumpurple2
#8968CD	mediumpurple3	mediumpurple3
#5D478B	mediumpurple4	mediumpurple4
#3CB371	mediumseagreen	mediumseagreen
#7B68EE	mediumslateblue	mediumslateblue
#00FA9A	mediumspringgreen	mediumspringgreen
#48D1CC	mediumturquoise	mediumturquoise
#C71585	mediumvioletred	mediumvioletred
#191970	midnightblue	midnightblue
#F5FFFA	mintcream	mintcream
#FFE4E1	mistyrose	mistyrose
#FFE4E1	mistyrose1	mistyrose1
#EED5D2	mistyrose2	mistyrose2
#CDB7B5	mistyrose3	mistyrose3
#8B7D7B	mistyrose4	mistyrose4
#FFE4B5	moccasin	moccasin
#FFDEAD	navajowhite	navajowhite
#FFDEAD	navajowhite1	navajowhite1

#EECFA1	navajowhite2	navajowhite2
#CDB38B	navajowhite3	navajowhite3
#8B795E	navajowhite4	navajowhite4
#000080	navy	navy
#000080	navyblue	navyblue
#FDF5E6	oldlace	oldlace
#6B8E23	olivedrab	olivedrab
#C0FF3E	olivedrab1	olivedrab1
#B3EE3A	olivedrab2	olivedrab2
#9ACD32	olivedrab3	olivedrab3
#698B22	olivedrab4	olivedrab4
#FFA500	orange	orange
#FFA500	orange1	orange1
#EE9A00	orange2	orange2
#CD8500	orange3	orange3
#8B5A00	orange4	orange4
#FF4500	orangered	orangered
#FF4500	orangered1	orangered1
#EE4000	orangered2	orangered2
#CD3700	orangered3	orangered3
#8B2500	orangered4	orangered4
#DA70D6	orchid	orchid
#FF83FA	orchid1	orchid1
#EE7AE9	orchid2	orchid2
#CD69C9	orchid3	orchid3
#8B4789	orchid4	orchid4
#EEE8AA	palegoldenrod	palegoldenrod
#98FB98	palegreen	palegreen
#9AFF9A	palegreen1	palegreen1
#90EE90	palegreen2	palegreen2
#7CCD7C	palegreen3	palegreen3
#548B54	palegreen4	palegreen4
#AFEEEE	paleturquoise	paleturquoise
#BBFFFF	paleturquoise1	paleturquoise1
#AEEEEE	paleturquoise2	paleturquoise2
#96CDCD	paleturquoise3	paleturquoise3

#668B8B	paleturquoise4	paleturquoise4
#DB7093	palevioletred	palevioletred
#FF82AB	palevioletred1	palevioletred1
#EE799F	palevioletred2	palevioletred2
#CD6889	palevioletred3	palevioletred3
#8B475D	palevioletred4	palevioletred4
#FFEFD5	papayawhip	papayawhip
#FFDAB9	peachpuff	peachpuff
#FFDAB9	peachpuff1	peachpuff1
#EECBAD	peachpuff2	peachpuff2
#CDAF95	peachpuff3	peachpuff3
#8B7765	peachpuff4	peachpuff4
#CD853F	peru	peru
#FFC0CB	pink	pink
#FFB5C5	pink1	pink1
#EEA9B8	pink2	pink2
#CD919E	pink3	pink3
#8B636C	pink4	pink4
#DDA0DD	plum	plum
#FFBBFF	plum1	plum1
#EEAEEE	plum2	plum2
#CD96CD	plum3	plum3
#8B668B	plum4	plum4
#B0E0E6	powderblue	powderblue
#A020F0	purple	purple
#9B30FF	purple1	purple1
#912CEE	purple2	purple2
#7D26CD	purple3	purple3
#551A8B	purple4	purple4
#FF0000	red	red
#FF0000	red1	red1
#EE0000	red2	red2
#CD0000	red3	red3
#8B0000	red4	red4
#BC8F8F	rosybrown	rosybrown
#FFC1C1	rosybrown1	rosybrown1

#EEB4B4	rosybrown2	rosybrown2
#CD9B9B	rosybrown3	rosybrown3
#8B6969	rosybrown4	rosybrown4
#4169E1	royalblue	royalblue
#4876FF	royalblue1	royalblue1
#436EEE	royalblue2	royalblue2
#3A5FCD	royalblue3	royalblue3
#27408B	royalblue4	royalblue4
#8B4513	saddlebrown	saddlebrown
#FA8072	salmon	salmon
#FF8C69	salmon1	salmon1
#EE8262	salmon2	salmon2
#CD7054	salmon3	salmon3
#8B4C39	salmon4	salmon4
#F4A460	sandybrown	sandybrown
#2E8B57	seagreen	seagreen
#54FF9F	seagreen1	seagreen1
#4EEE94	seagreen2	seagreen2
#43CD80	seagreen3	seagreen3
#2E8B57	seagreen4	seagreen4
#FFF5EE	seashell	seashell
#FFF5EE	seashell1	seashell1
#EEE5DE	seashell2	seashell2
#CDC5BF	seashell3	seashell3
#8B8682	seashell4	seashell4
#A0522D	sienna	sienna
#FF8247	sienna1	sienna1
#EE7942	sienna2	sienna2
#CD6839	sienna3	sienna3
#8B4726	sienna4	sienna4
#87CEEB	skyblue	skyblue
#87CEFF	skyblue1	skyblue1
#7EC0EE	skyblue2	skyblue2
#6CA6CD	skyblue3	skyblue3
#4A708B	skyblue4	skyblue4
#6A5ACD	slateblue	slateblue

#836FFF	slateblue1	slateblue1
#7A67EE	slateblue2	slateblue2
#6959CD	slateblue3	slateblue3
#473C8B	slateblue4	slateblue4
#708090	slategray	slategray
#C6E2FF	slategray1	slategray1
#B9D3EE	slategray2	slategray2
#9FB6CD	slategray3	slategray3
#6C7B8B	slategray4	slategray4
#708090	slategrey	slategrey
#FFFAFA	snow	snow
#FFFAFA	snow1	snow1
#EEE9E9	snow2	snow2
#CDC9C9	snow3	snow3
#8B8989	snow4	snow4
#00FF7F	springgreen	springgreen
#00FF7F	springgreen1	springgreen1
#00EE76	springgreen2	springgreen2
#00CD66	springgreen3	springgreen3
#008B45	springgreen4	springgreen4
#4682B4	steelblue	steelblue
#63B8FF	steelblue1	steelblue1
#5CACEE	steelblue2	steelblue2
#4F94CD	steelblue3	steelblue3
#36648B	steelblue4	steelblue4
#D2B48C	tan	tan
#FFA54F	tan1	tan1
#EE9A49	tan2	tan2
#CD853F	tan3	tan3
#8B5A2B	tan4	tan4
#D8BFD8	thistle	thistle
#FFE1FF	thistle1	thistle1
#EED2EE	thistle2	thistle2
#CDB5CD	thistle3	thistle3
#8B7B8B	thistle4	thistle4
#FF6347	tomato	tomato

#FF6347	tomato1	tomato1
#EE5C42	tomato2	tomato2
#CD4F39	tomato3	tomato3
#8B3626	tomato4	tomato4
#40E0D0	turquoise	turquoise
#00F5FF	turquoise1	turquoise1
#00E5EE	turquoise2	turquoise2
#00C5CD	turquoise3	turquoise3
#00868B	turquoise4	turquoise4
#EE82EE	violet	violet
#D02090	violetred	violetred
#FF3E96	violetred1	violetred1
#EE3A8C	violetred2	violetred2
#CD3278	violetred3	violetred3
#8B2252	violetred4	violetred4
#F5DEB3	wheat	wheat
#FFE7BA	wheat1	wheat1
#EED8AE	wheat2	wheat2
#CDBA96	wheat3	wheat3
#8B7E66	wheat4	wheat4
#F5F5F5	whitesmoke	whitesmoke
#FFFF00	yellow	yellow
#FFFF00	yellow1	yellow1
#EEEE00	yellow2	yellow2
#CDCD00	yellow3	yellow3
#8B8B00	yellow4	yellow4
#9ACD32	yellowgreen	yellowgreen