The latexcolors package*

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Abstract

Built on top of the xcolor package, the latexcolors package defines the set of colors shown on latexcolor.com, for use in documents typeset with LaTeX & friends.

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Change History

v0.1

General: Submission to CTAN \dots 1

1 Package dependencies

The latexcolors package depends on the xcolor package. It automatically loads xcolor without any options.

2 List of defined colors

The list below shows all the colors defined by latexcolors with their names. To use one of the colors, simply use \color{<name>} where <name> is one of the color names listed below.

^{*}This document corresponds to latexcolors v0.1, dated 2019/01/04.

	airforceblue	blue	camel
	aliceblue	blue(munsell)	camouflagegreen
	alizarin	blue(ncs)	canaryyellow
	almond	blue(pigment)	candyapplered
	amaranth	blue(ryb)	candypink
	amber	bluebell	capri
	amber(sae/ece)	bluegray	caputmortuum
	americanrose	blue-green	cardinal
	amethyst	blue-violet	caribbeangreen
	anti-flashwhite	blush	carmine
	antiquebrass	bole	carminepink
	antiquefuchsia	bondiblue	carminered
	antiquewhite	bostonuniversityred	carnationpink
	ao	brandeisblue	carnelian
	ao(english)	brass	carolinablue
	applegreen	brickred	carrotorange
	apricot	brightcerulean	ceil
	aqua	brightgreen	celadon
	aquamarine	brightlavender	celestialblue
-	armygreen	brightmaroon	cerise
	arsenic	brightpink	cerisepink
	arylideyellow	brightturquoise	cerulean
	ashgrey	brightube	ceruleanblue
	asparagus	brilliantlavender	chamoisee
	atomictangerine	brilliantrose	champagne
	auburn	brinkpink	charcoal
	aureolin	britishracinggreen	chartreuse(traditional)
	aurometalsaurus	bronze	chartreuse(web)
	awesome	brown(traditional)	cherryblossompink
	azure(colorwheel)	brown(web)	chestnut
	azure(web)(azuremist)	bubblegum	chocolate(traditional)
	babyblue	bubbles	chocolate(web)
	babyblueeyes	buff	chromeyellow
	babypink	bulgarianrose	cinereous
	ballblue	burgundy	cinnabar
	bananamania	burlywood	cinnamon
	bananayellow	burntorange	citrine
-	battleshipgrey	burntsienna	classicrose
	bazaar	burntumber	cobalt
	beaublue	byzantine	cocoabrown
	beaver	byzantium	columbiablue
	beige	cadet	coolblack
	bisque	cadetblue	coolgrey
	bistre	cadetgrey	copper
	bittersweet	cadmiumgreen	copperrose
ı	black	cadmiumorange	coquelicot
	blanchedalmond	cadmiumred	coral
	bleudefrance	cadmiumyellow	coralpink
	blizzardblue	calpolypomonagreen	coralred
	blond	cambridgeblue	cordovan

corn	darktan	fallow
cornellred	darktangerine	falured
cornflowerblue	darktaupe	fandango
cornsilk	darkterracotta	fashionfuchsia
cosmiclatte	darkturquoise	fawn
cottoncandy	darkviolet	feldgrau
cream	dartmouthgreen	ferngreen
crimson	davy\'sgrey	ferrarired
crimsonglory	debianred	fielddrab
cyan	deepcarmine	firebrick
cyan(process)	deepcarminepink	fireenginered
daffodil	deepcarrotorange	flame
dandelion	deepcerise	flamingopink
darkblue	deepchampagne	flavescent
darkbrown	deepchestnut	flax
darkbyzantium	deepfuchsia	floralwhite
darkcandyapplered	deepjunglegreen	fluorescentorange
darkcerulean	deeplilac	fluorescentpink
darkchampagne	deepmagenta	fluorescentyellow
darkchestnut	deeppeach	folly
darkcoral	deeppink	forestgreen(traditional)
darkcyan	deepsaffron	forestgreen(web)
darkelectricblue	deepskyblue	frenchbeige
darkgoldenrod	denim	frenchblue
darkgray	desert	frenchlilac
darkgreen	desertsand	frenchrose
darkjunglegreen	dimgray	fuchsia
darkkhaki	dodgerblue	fuchsiapink
darklava	dogwoodrose	fulvous
darklavender	dollarbill	fuzzywuzzy
darkmagenta	drab	gainsboro
darkmidnightblue	dukeblue	gamboge
darkolivegreen	earthyellow	ghostwhite
darkorange	ecru	ginger
darkorchid	eggplant	glaucous
darkpastelblue	eggshell	gold(metallic)
darkpastelgreen	egyptianblue	gold(web)(golden)
darkpastelpurple	electricblue	goldenbrown
darkpastelred	electriccrimson	goldenpoppy
darkpink	electriccyan	goldenyellow
darkpowderblue	electricgreen	goldenrod
darkraspberry	electricindigo	grannysmithapple
darkred	electriclavender	gray
darksalmon	electriclime	gray(html/cssgray)
darkscarlet	electricpurple	gray(x11gray)
darkseagreen	electricultramarine	gray-asparagus
darksienna	electricviolet	green(colorwheel)(x11green)
darkslateblue	electricyellow	green(html/cssgreen)
darkslategray	emerald	green(munsell)
darkspringgreen	etonblue	green(ncs)

green(pigment)	lavenderblue	maize
green(ryb)	lavenderblush	majorelleblue
green-yellow	lavendergray	malachite
grullo	lavenderindigo	manatee
guppiegreen	lavendermagenta	mangotango
halayaube	lavendermist	maroon(html/css)
hanblue	lavenderpink	maroon(x11)
hanpurple	lavenderpurple	mauve
hansayellow	lavenderrose	mauvetaupe
harlequin	lawngreen	mauvelous
harvardcrimson	lemon	mayablue
harvestgold	lemonchiffon	meatbrown
heartgold	lightapricot	mediumaquamarine
heliotrope	lightblue	mediumblue
hollywoodcerise	lightbrown	mediumcandyapplered
honeydew	lightcarminepink	mediumcarmine
hooker\'sgreen	lightcoral	mediumchampagne
hotmagenta	lightcornflowerblue	mediumelectricblue
hotpink	lightcyan	mediumjunglegreen
huntergreen	lightfuchsiapink	mediumlavendermagenta
iceberg	lightgoldenrodyellow	mediumorchid
icterine	lightgray	mediumpersianblue
inchworm	lightgreen	mediumpurple
indiagreen	lightkhaki	mediumred-violet
indianred	lightmauve	mediumseagreen
indianyellow	lightpastelpurple	mediumslateblue
indigo(dye)	lightpink	mediumspringbud
indigo(web)	lightsalmon	mediumspringgreen
internationalkleinblue	lightsalmonpink	mediumtaupe
internationalorange	lightseagreen	mediumtealblue
iris	lightskyblue	mediumturquoise
isabelline	lightslategray	mediumviolet-red
islamicgreen	lighttaupe	melon
ivory	lightthulianpink	midnightblue
jade	lightyellow	midnightgreen(eaglegreen)
jasper	lilac	mikadoyellow
jazzberryjam	lime(colorwheel)	mint
jonquil	lime(web)(x11green)	mintcream
junebud	limegreen	mintgreen
junglegreen	lincolngreen	mistyrose
kellygreen	linen	moccasin
khaki(html/css)(khaki)	liver	modebeige
khaki(x11)(lightkhaki)	lust	moonstoneblue
lasallegreen	macaroniandcheese	mordantred19
languidlavender	magenta	mossgreen
lapislazuli	magenta(dye)	mountainmeadow
laserlemon	magenta(process)	mountbattenpink
lava	magicmint	mulberry
lavender(floral)	magnolia	mustard
lavender(web)	mahogany	myrtle

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msugreen	palepink	pinksherbet
nadeshikopink	paleplum	pistachio
napiergreen	palered-violet	platinum
naplesyellow	palerobineggblue	plum(traditional)
navajowhite	palesilver	plum(web)
navyblue	palespringbud	portlandorange
neoncarrot	paletaupe	powderblue(web)
neonfuchsia	paleviolet-red	princetonorange
neongreen	pansypurple	prune
non-photoblue	papayawhip	prussianblue
oceanboatblue	parisgreen	psychedelicpurple
ochre	pastelblue	puce
officegreen	pastelbrown	pumpkin
oldgold	pastelgray	<pre>purple(html/css)</pre>
oldlace	pastelgreen	purple(munsell)
oldlavender	pastelmagenta	purple(x11)
oldmauve	pastelorange	purpleheart
oldrose	pastelpink	purplemountainmajesty
olive	<pre>pastelpurple</pre>	purplepizzazz
olivedrab(web)(olivedrab3)	pastelred	<pre>purpletaupe</pre>
olivedrab7	<pre>pastelviolet</pre>	radicalred
olivine	pastelyellow	raspberry
onyx	<pre>patriarch</pre>	<pre>raspberryglace</pre>
operamauve	<pre>payne\'sgrey</pre>	raspberrypink
orange(colorwheel)	peach	<pre>raspberryrose</pre>
orange(ryb)	peach-orange	rawumber
orange(webcolor)	peachpuff	razzledazzlerose
orangepeel	peach-yellow	razzmatazz
orange-red	pear	red
orchid	pearl	red(munsell)
otterbrown	peridot	red(ncs)
outerspace	periwinkle	red(pigment)
outrageousorange	persianblue	red(ryb)
oxfordblue	persiangreen	red-brown
oucrimsonred	persianindigo	red-violet
<pre>pakistangreen</pre>	persianorange	redwood
palatinateblue	peru	regalia
<pre>palatinatepurple</pre>	persianpink	richblack
paleaqua	persianplum	richbrilliantlavender
paleblue	persianred	richcarmine
palebrown	persianrose	richelectricblue
palecarmine	persimmon	richlavender
palecerulean	phlox	richlilac
palechestnut	phthaloblue	richmaroon
palecopper	<pre>phthalogreen</pre>	riflegreen
palecornflowerblue	piggypink	robineggblue
palegold	pinegreen	rose
palegoldenrod	pink	rosebonbon
palegreen	pink-orange	roseebony
palemagenta	pinkpearl	rosegold

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rosemadder	skobeloff	turquoisegreen
rosepink	skyblue	tuscanred
rosequartz	skymagenta	twilightlavender
rosetaupe	slateblue	tyrianpurple
rosevale	slategray	uablue
rosewood	smalt(darkpowderblue)	uared
rossocorsa	smokeytopaz	ube
rosybrown	smokyblack	uclablue
royalazure	snow	uclagold
royalblue(traditional)	spirodiscoball	ufogreen
royalblue(web)	splashedwhite	ultramarine
royalfuchsia	springbud	ultramarineblue
royalpurple	springgreen	ultrapink
ruby	steelblue	umber
ruddy	stildegrainyellow	unitednationsblue
ruddybrown	straw	unmellowyellow
ruddypink	sunglow	upforestgreen
rufous	sunset	upmaroon
russet	tan	upsdellred
rust	tangelo	urobilin
sacramentostategreen	tangerine	usccardinal
saddlebrown	tangerineyellow	uscgold
safetyorange(blazeorange)	taupe	utahcrimson
saffron	taupegray	vanilla
st.patrick\'sblue	teagreen	vegasgold
salmon	tearose(orange)	venetianred
salmonpink	tearose(rose)	verdigris
sand	teal	vermilion
sanddune	tealblue	veronica
sandstorm	tealgreen	violet
sandybrown	tennÃľ(tawny)	violet(colorwheel)
sandytaupe	terracotta	violet(ryb)
sangria	thistle	violet(web)
sapgreen	thulianpink	viridian
sapphire	ticklemepink	vividauburn
satinsheengold	tiffanyblue	vividburgundy
scarlet	tiger\'seye	vividcerise
schoolbusyellow	timberwolf	vividtangerine
screamin\'green	titaniumyellow	vividviolet
seagreen	tomato	warmblack
sealbrown	toolbox	wenge
seashell	tractorred	wheat
selectiveyellow	trolleygrey	white
sepia	tropicalrainforest	whitesmoke
shadow	trueblue	wildblueyonder
shamrockgreen	tuftsblue	wildstrawberry
shockingpink	tumbleweed	wildwatermelon
sienna	turkishrose	wisteria
silver	turquoise	xanadu
sinopia	turquoiseblue	yaleblue
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3 Acknowledgements

Thanks to Uwe Kern, author of xcolor, and Dave Doolin for providing latexcolor.com and giving his permission to use the code shown there to make this package.

4 Implementation

```
1 \RequirePackage{xcolor}
3 \definecolor{airforceblue}{rgb}{0.36, 0.54, 0.66}
 4 \definecolor{aliceblue}{rgb}{0.94, 0.97, 1.0}
 5 \definecolor{alizarin}{rgb}{0.82, 0.1, 0.26}
 6 \definecolor{almond}{rgb}{0.94, 0.87, 0.8}
 7 \definecolor{amaranth}{rgb}{0.9, 0.17, 0.31}
 8 \cdot \{rgb} \{1.0, 0.75, 0.0\}
9 \definecolor{amber(sae/ece)}{rgb}{1.0, 0.49, 0.0}
10 \definecolor{americanrose}{rgb}{1.0, 0.01, 0.24}
11 \definecolor{amethyst}{rgb}{0.6, 0.4, 0.8}
12 \definecolor{anti-flashwhite}{rgb}{0.95, 0.95, 0.96}
13 \definecolor{antiquebrass}{rgb}{0.8, 0.58, 0.46}
14 \definecolor{antiquefuchsia}{rgb}{0.57, 0.36, 0.51}
15 \definecolor{antiquewhite}{rgb}{0.98, 0.92, 0.84}
16 \definecolor{ao}{rgb}{0.0, 0.0, 1.0}
17 \definecolor{ao(english)}{rgb}{0.0, 0.5, 0.0}
18 \definecolor{applegreen}{rgb}{0.55, 0.71, 0.0}
19 \definecolor{apricot}{rgb}{0.98, 0.81, 0.69}
20 \definecolor{aqua}{rgb}\{0.0, 1.0, 1.0\}
21 \definecolor{aquamarine}{rgb}\{0.5, 1.0, 0.83\}
22 \definecolor{armygreen}{rgb}{0.29, 0.33, 0.13}
23 \definecolor{arsenic}{rgb}{0.23, 0.27, 0.29}
24 \definecolor{arylideyellow}{rgb}{0.91, 0.84, 0.42}
25 \cdot (0.7, 0.75, 0.71)
26 \definecolor{asparagus}{rgb}{0.53, 0.66, 0.42}
27 \definecolor{atomictangerine}{rgb}{1.0, 0.6, 0.4}
28 \definecolor{auburn}{rgb}{0.43, 0.21, 0.1}
29 \displaystyle \frac{1}{29} \cdot \frac{1}{29}, 0.93, 0.0}
30 \ensuremath{\mbox{\sc definecolor}\{aurometalsaurus\}\{rgb\}\{0.43,\ 0.5,\ 0.5\}}
31 \ensuremath{\mbox{definecolor{awesome}{rgb}{1.0, 0.13, 0.32}}
32 \definecolor{azure(colorwheel)}{rgb}{0.0, 0.5, 1.0}
33 \definecolor{azure(web)(azuremist)}{rgb}{0.94, 1.0, 1.0}
34 \ensuremath{\mbox{definecolor\{babyblue}\{rgb\}\{0.54,\ 0.81,\ 0.94\}}
35 \definecolor{babyblueeyes}{rgb}{0.63, 0.79, 0.95}
36 \definecolor{babypink}{rgb}{0.96, 0.76, 0.76}
37 \definecolor{ballblue}{rgb}{0.13, 0.67, 0.8}
38 \definecolor{bananamania}{rgb}{0.98, 0.91, 0.71}
39 \definecolor{bananayellow}{rgb}{1.0, 0.88, 0.21}
40 \definecolor{battleshipgrey}{rgb}{0.52, 0.52, 0.51}
```

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41 \ensuremath{\mbox{definecolor}\{bazaar\}\{rgb\}\{0.6,\ 0.47,\ 0.48\}}
42 \leq finecolor\{beaublue\}\{rgb\}\{0.74, 0.83, 0.9\}
43 \ensuremath{\mbox{definecolor{beaver}{rgb}{0.62, 0.51, 0.44}}
44 \definecolor{beige}{rgb}{0.96, 0.96, 0.86}
45 \definecolor{bisque}{rgb}{1.0, 0.89, 0.77}
46 \definecolor{bistre}{rgb}{0.24, 0.17, 0.12}
47 \definecolor{bittersweet}{rgb}{1.0, 0.44, 0.37}
48 \definecolor{black}{rgb}{0.0, 0.0, 0.0}
49 \definecolor{blanchedalmond}{rgb}{1.0, 0.92, 0.8}
50 \definecolor{bleudefrance}{rgb}{0.19, 0.55, 0.91}
51 \definecolor{blizzardblue}{rgb}{0.67, 0.9, 0.93}
52 \definecolor{blond}{rgb}{0.98, 0.94, 0.75}
53 \definecolor{blue}{rgb}{0.0, 0.0, 1.0}
54 \definecolor{blue(munsell)){rgb}{0.0, 0.5, 0.69}
55 \definecolor{blue(ncs)}{rgb}{0.0, 0.53, 0.74}
56 \definecolor{blue(pigment)}{rgb}{0.2, 0.2, 0.6}
57 \definecolor{blue(ryb)}{rgb}{0.01, 0.28, 1.0}
58 \definecolor{bluebell}{rgb}{0.64, 0.64, 0.82}
59 \definecolor{bluegray}{rgb}{0.4, 0.6, 0.8}
60 \definecolor{blue-green}{rgb}{0.0, 0.87, 0.87}
61 \displaystyle \frac{1}{rgb} \{0.54, 0.17, 0.89\}
62 \definecolor{blush}{rgb}{0.87, 0.36, 0.51}
63 \definecolor{bole}{rgb}{0.47, 0.27, 0.23}
64 \definecolor{bondiblue}{rgb}{0.0, 0.58, 0.71}
65 \definecolor{bostonuniversityred}{rgb}{0.8, 0.0, 0.0}
66 \definecolor{brandeisblue}{rgb}{0.0, 0.44, 1.0}
67 \definecolor{brass}{rgb}{0.71, 0.65, 0.26}
68 \definecolor{brickred}{rgb}{0.8, 0.25, 0.33}
69 \definecolor{brightcerulean}{rgb}{0.11, 0.67, 0.84}
70 \definecolor{brightgreen}{rgb}{0.4, 1.0, 0.0}
71 \definecolor{brightlavender}{rgb}{0.75, 0.58, 0.89}
72 \definecolor{brightmaroon}{rgb}{0.76, 0.13, 0.28}
73 \displaystyle \frac{1.0, 0.0, 0.5}{}
74 \definecolor{brightturquoise}{rgb}{0.03, 0.91, 0.87}
75 \definecolor{brightube}{rgb}{0.82, 0.62, 0.91}
76 \definecolor{brilliantlavender}{rgb}{0.96, 0.73, 1.0}
77 \definecolor{brilliantrose}{rgb}{1.0, 0.33, 0.64}
78 \definecolor{brinkpink}{rgb}{0.98, 0.38, 0.5}
79 \definecolor{britishracinggreen}{rgb}{0.0, 0.26, 0.15}
80 \definecolor{bronze}{rgb}{0.8, 0.5, 0.2}
81 \definecolor{brown(traditional)}{rgb}{0.59, 0.29, 0.0}
82 \definecolor{brown(web)}{rgb}{0.65, 0.16, 0.16}
83 \definecolor{bubblegum}{rgb}{0.99, 0.76, 0.8}
84 \definecolor{bubbles}{rgb}{0.91, 1.0, 1.0}
85 \definecolor{buff}{rgb}{0.94, 0.86, 0.51}
86 \definecolor{bulgarianrose}{rgb}{0.28, 0.02, 0.03}
87 \definecolor{burgundy}{rgb}{0.5, 0.0, 0.13}
88 \definecolor{burlywood}{rgb}{0.87, 0.72, 0.53}
89 \definecolor{burntorange}{rgb}{0.8, 0.33, 0.0}
90 \definecolor{burntsienna}{rgb}{0.91, 0.45, 0.32}
91 \definecolor{burntumber}{rgb}{0.54, 0.2, 0.14}
92 \definecolor{byzantine}{rgb}{0.74, 0.2, 0.64}
93 \definecolor{byzantium}{rgb}{0.44, 0.16, 0.39}
94 \ensuremath{\mbox{definecolor}\{\mbox{cadet}\}\{\mbox{rgb}\}\{0.33,\ 0.41,\ 0.47\}}
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95 \definecolor{cadetblue}{rgb}{0.37, 0.62, 0.63}
 96 \definecolor{cadetgrey}{rgb}{0.57, 0.64, 0.69}
 97 \definecolor{cadmiumgreen}{rgb}{0.0, 0.42, 0.24}
 98 \definecolor{cadmiumorange}{rgb}{0.93, 0.53, 0.18}
 99 \definecolor{cadmiumred}{rgb}{0.89, 0.0, 0.13}
100 \definecolor{cadmiumyellow}{rgb}{1.0, 0.96, 0.0}
101 \definecolor{calpolypomonagreen}{rgb}{0.12, 0.3, 0.17}
102 \definecolor{cambridgeblue}{rgb}{0.64, 0.76, 0.68}
103 \definecolor{camel}{rgb}{0.76, 0.6, 0.42}
104 \definecolor{camouflagegreen}{rgb}{0.47, 0.53, 0.42}
105 \definecolor{canaryyellow}{rgb}{1.0, 0.94, 0.0}
106 \definecolor{candyapplered}{rgb}{1.0, 0.03, 0.0}
107 \definecolor{candypink}{rgb}{0.89, 0.44, 0.48}
108 \definecolor{capri}{rgb}{0.0, 0.75, 1.0}
109 \definecolor{caputmortuum}{rgb}{0.35, 0.15, 0.13}
110 \definecolor{cardinal}{rgb}{0.77, 0.12, 0.23}
111 \definecolor{caribbeangreen}{rgb}{0.0, 0.8, 0.6}
112 \definecolor{carmine}{rgb}{0.59, 0.0, 0.09}
113 \definecolor{carminepink}{rgb}{0.92, 0.3, 0.26}
114 \definecolor{carminered}{rgb}{1.0, 0.0, 0.22}
115 \definecolor{carnationpink}{rgb}{1.0, 0.65, 0.79}
116 \definecolor{carnelian}{rgb}{0.7, 0.11, 0.11}
117 \definecolor{carolinablue}{rgb}{0.6, 0.73, 0.89}
118 \definecolor{carrotorange}{rgb}{0.93, 0.57, 0.13}
119 \definecolor{ceil}{rgb}{0.57, 0.63, 0.81}
120 \definecolor{celadon}{rgb}{0.67, 0.88, 0.69}
121 \definecolor{celestialblue}{rgb}{0.29, 0.59, 0.82}
122 \definecolor{cerise}{rgb}{0.87, 0.19, 0.39}
123 \definecolor{cerisepink}{rgb}{0.93, 0.23, 0.51}
124 \definecolor{cerulean}{rgb}{0.0, 0.48, 0.65}
125 \definecolor{ceruleanblue}{rgb}{0.16, 0.32, 0.75}
126 \definecolor\{chamoisee\}\{rgb\}\{0.63, 0.47, 0.35\}
127 \label{lem:color} $$127 \end{champagne} {rgb} {0.97, 0.91, 0.81}
128 \definecolor{charcoal}{rgb}{0.21, 0.27, 0.31}
129 \definecolor{chartreuse(traditional)}{rgb}{0.87, 1.0, 0.0}
130 \definecolor{chartreuse(web)}{rgb}{0.5, 1.0, 0.0}
131 \definecolor{cherryblossompink}{rgb}{1.0, 0.72, 0.77}
132 \definecolor{chestnut}{rgb}{0.8, 0.36, 0.36}
133 \definecolor{chocolate(traditional)}{rgb}{0.48, 0.25, 0.0}
134 \definecolor{chocolate(web)}{rgb}{0.82, 0.41, 0.12}
135 \definecolor{chromeyellow}{rgb}{1.0, 0.65, 0.0}
136 \definecolor{cinereous}{rgb}{0.6, 0.51, 0.48}
137 \ensuremath{\mbox{\sc loss}} \{\mbox{\sc loss}, \mbox{\sc loss}, \mbo
138 \definecolor{cinnamon}{rgb}{0.82, 0.41, 0.12}
139 \definecolor{citrine}{rgb}{0.89, 0.82, 0.04}
140 \definecolor{classicrose}{rgb}{0.98, 0.8, 0.91}
141 \definecolor{cobalt}{rgb}{0.0, 0.28, 0.67}
142 \definecolor{cocoabrown}{rgb}{0.82, 0.41, 0.12}
143 \definecolor{columbiablue}{rgb}{0.61, 0.87, 1.0}
144 \definecolor{coolblack}{rgb}{0.0, 0.18, 0.39}
145 \definecolor{coolgrey}{rgb}{0.55, 0.57, 0.67}
146 \definecolor{copper}{rgb}{0.72, 0.45, 0.2}
147 \definecolor{copperrose}{rgb}{0.6, 0.4, 0.4}
148 \definecolor{coquelicot}{rgb}{1.0, 0.22, 0.0}
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149 \definecolor{coral}{rgb}{1.0, 0.5, 0.31}
150 \definecolor{coralpink}{rgb}{0.97, 0.51, 0.47}
151 \definecolor{coralred}{rgb}{1.0, 0.25, 0.25}
152 \definecolor{cordovan}{rgb}{0.54, 0.25, 0.27}
153 \definecolor{corn}{rgb}{0.98, 0.93, 0.36}
154 \definecolor{cornellred}{rgb}{0.7, 0.11, 0.11}
155 \definecolor{cornflowerblue}{rgb}{0.39, 0.58, 0.93}
156 \definecolor{cornsilk}{rgb}{1.0, 0.97, 0.86}
157 \definecolor{cosmiclatte}{rgb}{1.0, 0.97, 0.91}
158 \definecolor{cottoncandy}{rgb}{1.0, 0.74, 0.85}
159 \definecolor{cream}{rgb}{1.0, 0.99, 0.82}
160 \ensuremath{\mbox{definecolor\{crimson}\{rgb\}\{0.86,\ 0.08,\ 0.24\}}
161 \definecolor{crimsonglory}{rgb}{0.75, 0.0, 0.2}
162 \definecolor{cyan}{rgb}{0.0, 1.0, 1.0}
163 \definecolor{cyan(process)}{rgb}{0.0, 0.72, 0.92}
164 \definecolor{daffodil}{rgb}{1.0, 1.0, 0.19}
165 \definecolor{dandelion}{rgb}{0.94, 0.88, 0.19}
166 \definecolor{darkblue}{rgb}{0.0, 0.0, 0.55}
167 \definecolor{darkbrown}{rgb}{0.4, 0.26, 0.13}
168 \definecolor{darkbyzantium}{rgb}{0.36, 0.22, 0.33}
169 \definecolor{darkcandyapplered}{rgb}{0.64, 0.0, 0.0}
170 \definecolor{darkcerulean}{rgb}{0.03, 0.27, 0.49}
171 \definecolor{darkchampagne}{rgb}{0.76, 0.7, 0.5}
172 \definecolor{darkchestnut}{rgb}{0.6, 0.41, 0.38}
173 \definecolor{darkcoral}{rgb}{0.8, 0.36, 0.27}
174 \definecolor{darkcyan}{rgb}{0.0, 0.55, 0.55}
175 \definecolor{darkelectricblue}{rgb}{0.33, 0.41, 0.47}
176 \definecolor{darkgoldenrod}{rgb}{0.72, 0.53, 0.04}
177 \definecolor{darkgray}{rgb}{0.66, 0.66, 0.66}
178 \definecolor{darkgreen}{rgb}{0.0, 0.2, 0.13}
179 \definecolor{darkjunglegreen}{rgb}{0.1, 0.14, 0.13}
180 \definecolor{darkkhaki}{rgb}{0.74, 0.72, 0.42}
181 \definecolor{darklava}{rgb}{0.28, 0.24, 0.2}
182 \definecolor{darklavender}{rgb}{0.45, 0.31, 0.59}
183 \definecolor{darkmagenta}{rgb}{0.55, 0.0, 0.55}
184 \definecolor{darkmidnightblue}{rgb}{0.0, 0.2, 0.4}
185 \definecolor{darkolivegreen}{rgb}{0.33, 0.42, 0.18}
186 \definecolor{darkorange}{rgb}{1.0, 0.55, 0.0}
187 \definecolor{darkorchid}{rgb}{0.6, 0.2, 0.8}
188 \definecolor{darkpastelblue}{rgb}{0.47, 0.62, 0.8}
189 \definecolor{darkpastelgreen}{rgb}{0.01, 0.75, 0.24}
190 \definecolor{darkpastelpurple}{rgb}{0.59, 0.44, 0.84}
191 \definecolor{darkpastelred}{rgb}{0.76, 0.23, 0.13}
192 \ensuremath{\mbox{definecolor}\{\mbox{darkpink}\}\{\mbox{rgb}\}\{\mbox{0.91, 0.33, 0.5}\}}
193 \definecolor{darkpowderblue}{rgb}{0.0, 0.2, 0.6}
194 \definecolor{darkraspberry}{rgb}{0.53, 0.15, 0.34}
195 \definecolor{darkred}{rgb}{0.55, 0.0, 0.0}
196 \definecolor{darksalmon}{rgb}{0.91, 0.59, 0.48}
197 \definecolor{darkscarlet}{rgb}{0.34, 0.01, 0.1}
198 \definecolor{darkseagreen}{rgb}{0.56, 0.74, 0.56}
199 \definecolor{darksienna}{rgb}{0.24, 0.08, 0.08}
200 \definecolor{darkslateblue}{rgb}{0.28, 0.24, 0.55}
201 \definecolor{darkslategray}{rgb}{0.18, 0.31, 0.31}
202 \definecolor{darkspringgreen}{rgb}{0.09, 0.45, 0.27}
```

```
203 \definecolor{darktan}{rgb}\{0.57, 0.51, 0.32\}
204 \definecolor{darktangerine}{rgb}{1.0, 0.66, 0.07}
205 \definecolor{darktaupe}{rgb}{0.28, 0.24, 0.2}
206 \definecolor{darkterracotta}{rgb}{0.8, 0.31, 0.36}
207 \definecolor{darkturquoise}{rgb}{0.0, 0.81, 0.82}
208 \definecolor{darkviolet}{rgb}{0.58, 0.0, 0.83}
209 \definecolor{dartmouthgreen}{rgb}{0.05, 0.5, 0.06}
210 \definecolor{davy\'sgrey}{rgb}{0.33, 0.33, 0.33}
211 \definecolor{debianred}{rgb}{0.84, 0.04, 0.33}
212 \definecolor{deepcarmine}{rgb}{0.66, 0.13, 0.24}
213 \definecolor{deepcarminepink}{rgb}{0.94, 0.19, 0.22}
214 \definecolor{deepcarrotorange}{rgb}{0.91, 0.41, 0.17}
215 \definecolor{deepcerise}{rgb}{0.85, 0.2, 0.53}
216 \definecolor{deepchampagne}{rgb}{0.98, 0.84, 0.65}
217 \definecolor{deepchestnut}{rgb}{0.73, 0.31, 0.28}
218 \definecolor{deepfuchsia}{rgb}{0.76, 0.33, 0.76}
219 \definecolor{deepjunglegreen}{rgb}{0.0, 0.29, 0.29}
220 \definecolor{deeplilac}{rgb}{0.6, 0.33, 0.73}
221 \definecolor{deepmagenta}{rgb}{0.8, 0.0, 0.8}
222 \definecolor{deeppeach}{rgb}{1.0, 0.8, 0.64}
223 \definecolor{deeppink}{rgb}{1.0, 0.08, 0.58}
224 \definecolor{deepsaffron}{rgb}{1.0, 0.6, 0.2}
225 \definecolor{deepskyblue}{rgb}{0.0, 0.75, 1.0}
226 \definecolor{denim}{rgb}{0.08, 0.38, 0.74}
227 \definecolor{desert}{rgb}{0.76, 0.6, 0.42}
228 \definecolor{desertsand}{rgb}{0.93, 0.79, 0.69}
229 \definecolor{dimgray}{rgb}{0.41, 0.41, 0.41}
230 \definecolor{dodgerblue}{rgb}{0.12, 0.56, 1.0}
231 \definecolor{dogwoodrose}{rgb}{0.84, 0.09, 0.41}
232 \definecolor{dollarbill}{rgb}{0.52, 0.73, 0.4}
233 \definecolor{drab}{rgb}{0.59, 0.44, 0.09}
234 \definecolor{dukeblue}{rgb}{0.0, 0.0, 0.61}
235 \displaystyle \ensuremath{\texttt{definecolor}\{earthyellow\}\{rgb\}\{0.88,\ 0.66,\ 0.37\}}
236 \definecolor{ecru}{rgb}{0.76, 0.7, 0.5}
237 \definecolor{eggplant}{rgb}\{0.38, 0.25, 0.32\}
238 \definecolor{eggshell}{rgb}{0.94, 0.92, 0.84}
239 \definecolor{egyptianblue}{rgb}{0.06, 0.2, 0.65}
240 \definecolor{electricblue}{rgb}{0.49, 0.98, 1.0}
241 \definecolor{electriccrimson}{rgb}{1.0, 0.0, 0.25}
242 \definecolor{electriccyan}{rgb}{0.0, 1.0, 1.0}
243 \definecolor{electricgreen}{rgb}{0.0, 1.0, 0.0}
244 \definecolor{electricindigo}{rgb}{0.44, 0.0, 1.0}
245 \definecolor{electriclavender}{rgb}{0.96, 0.73, 1.0}
246 \definecolor{electriclime}{rgb}{0.8, 1.0, 0.0}
247 \definecolor{electricpurple}{rgb}{0.75, 0.0, 1.0}
248 \definecolor{electricultramarine}{rgb}{0.25, 0.0, 1.0}
249 \definecolor{electricviolet}{rgb}{0.56, 0.0, 1.0}
250 \definecolor{electricyellow}{rgb}{1.0, 1.0, 0.0}
251 \definecolor{emerald}{rgb}{0.31, 0.78, 0.47}
252 \definecolor{etonblue}{rgb}{0.59, 0.78, 0.64}
253 \definecolor{fallow}{rgb}{0.76, 0.6, 0.42}
254 \definecolor{falured}{rgb}{0.5, 0.09, 0.09}
255 \definecolor{fandango}{rgb}{0.71, 0.2, 0.54}
256 \definecolor{fashionfuchsia}{rgb}{0.96, 0.0, 0.63}
```

```
257 \ensuremath{\mbox{definecolor{fawn}{rgb}{0.9, 0.67, 0.44}}
258 \definecolor{feldgrau}{rgb}{0.3, 0.36, 0.33}
259 \definecolor{ferngreen}{rgb}\{0.31, 0.47, 0.26\}
260 \definecolor{ferrarired}{rgb}{1.0, 0.11, 0.0}
261 \definecolor{fielddrab}{rgb}{0.42, 0.33, 0.12}
262 \definecolor{firebrick}{rgb}{0.7, 0.13, 0.13}
263 \definecolor{fireenginered}{rgb}{0.81, 0.09, 0.13}
264 \definecolor{flame}{rgb}{0.89, 0.35, 0.13}
265 \definecolor{flamingopink}{rgb}{0.99, 0.56, 0.67}
266 \definecolor{flavescent}{rgb}{0.97, 0.91, 0.56}
267 \definecolor{flax}{rgb}{0.93, 0.86, 0.51}
268 \definecolor{floralwhite}{rgb}{1.0, 0.98, 0.94}
269 \definecolor{fluorescentorange}{rgb}{1.0, 0.75, 0.0}
270 \definecolor{fluorescentpink}{rgb}{1.0, 0.08, 0.58}
271 \definecolor{fluorescentyellow}{rgb}{0.8, 1.0, 0.0}
272 \definecolor{folly}{rgb}{1.0, 0.0, 0.31}
273 \definecolor{forestgreen(traditional)}{rgb}{0.0, 0.27, 0.13}
274 \definecolor{forestgreen(web)}{rgb}{0.13, 0.55, 0.13}
275 \definecolor{frenchbeige}{rgb}{0.65, 0.48, 0.36}
276 \definecolor{frenchblue}{rgb}{0.0, 0.45, 0.73}
277 \definecolor{frenchlilac}{rgb}{0.53, 0.38, 0.56}
278 \definecolor{frenchrose}{rgb}{0.96, 0.29, 0.54}
279 \definecolor{fuchsia}{rgb}{1.0, 0.0, 1.0}
280 \definecolor{fuchsiapink}{rgb}{1.0, 0.47, 1.0}
281 \definecolor{fulvous}{rgb}{0.86, 0.52, 0.0}
282 \definecolor{fuzzywuzzy}{rgb}{0.8, 0.4, 0.4}
283 \definecolor{gainsboro}{rgb}{0.86, 0.86, 0.86}
284 \definecolor{gamboge}{rgb}{0.89, 0.61, 0.06}
285 \definecolor{ghostwhite}{rgb}{0.97, 0.97, 1.0}
286 \definecolor{ginger}{rgb}{0.69, 0.4, 0.0}
287 \definecolor{glaucous}{rgb}{0.38, 0.51, 0.71}
288 \definecolor{gold(metallic)}{rgb}{0.83, 0.69, 0.22}
289 \definecolor{gold(web)(golden)}{rgb}{1.0, 0.84, 0.0}
290 \definecolor{goldenbrown}{rgb}{0.6, 0.4, 0.08}
291 \definecolor{goldenpoppy}{rgb}{0.99, 0.76, 0.0}
292 \definecolor{goldenyellow}{rgb}{1.0, 0.87, 0.0}
293 \definecolor{goldenrod}{rgb}{0.85, 0.65, 0.13}
294 \definecolor{grannysmithapple}{rgb}{0.66, 0.89, 0.63}
295 \definecolor{gray}{rgb}{0.5, 0.5, 0.5}
296 \definecolor{gray(html/cssgray)}{rgb}{0.5, 0.5, 0.5}
297 \definecolor{gray(x11gray)}{rgb}{0.75, 0.75, 0.75}
298 \definecolor{gray-asparagus}{rgb}{0.27, 0.35, 0.27}
299 \definecolor{green(colorwheel)(x11green)}{rgb}{0.0, 1.0, 0.0}
300 \definecolor{green(html/cssgreen)}{rgb}{0.0, 0.5, 0.0}
301 \definecolor{green(munsell)}{rgb}{0.0, 0.66, 0.47}
302 \definecolor{green(ncs)}{rgb}{0.0, 0.62, 0.42}
303 \definecolor{green(pigment)}{rgb}{0.0, 0.65, 0.31}
304 \definecolor{green(ryb)}{rgb}{0.4, 0.69, 0.2}
305 \definecolor{green-yellow}{rgb}{0.68, 1.0, 0.18}
306 \definecolor{grullo}{rgb}{0.66, 0.6, 0.53}
307 \definecolor{guppiegreen}{rgb}{0.0, 1.0, 0.5}
308 \definecolor{halayaube}{rgb}{0.4, 0.22, 0.33}
309 \definecolor{hanblue}{rgb}{0.27, 0.42, 0.81}
310 \definecolor{hanpurple}{rgb}{0.32, 0.09, 0.98}
```

```
311 \ensuremath{\mbox{definecolor\{hansayellow}\{rgb\}\{0.91,\ 0.84,\ 0.42\}}
312 \definecolor{harlequin}{rgb}{0.25, 1.0, 0.0}
313 \definecolor{harvardcrimson}{rgb}{0.79, 0.0, 0.09}
314 \definecolor{harvestgold}{rgb}{0.85, 0.57, 0.0}
315 \definecolor{heartgold}{rgb}{0.5, 0.5, 0.0}
316 \definecolor{heliotrope}{rgb}{0.87, 0.45, 1.0}
317 \definecolor{hollywoodcerise}{rgb}{0.96, 0.0, 0.63}
318 \definecolor{honeydew}{rgb}{0.94, 1.0, 0.94}
319 \definecolor{hooker\'sgreen}{rgb}{0.0, 0.44, 0.0}
320 \definecolor{hotmagenta}{rgb}{1.0, 0.11, 0.81}
321 \definecolor{hotpink}{rgb}{1.0, 0.41, 0.71}
322 \definecolor{huntergreen}{rgb}{0.21, 0.37, 0.23}
323 \ensuremath{\mbox{definecolor{iceberg}{rgb}{0.44, 0.65, 0.82}}
324 \ensuremath{\mbox{definecolor\{icterine\}\{rgb\}\{0.99,\ 0.97,\ 0.37\}}
325 \definecolor{inchworm}{rgb}{0.7, 0.93, 0.36}
326 \definecolor{indiagreen}{rgb}{0.07, 0.53, 0.03}
327 \definecolor{indianred}{rgb}{0.8, 0.36, 0.36}
328 \definecolor{indianyellow}{rgb}{0.89, 0.66, 0.34}
329 \definecolor{indigo(dye)}{rgb}{0.0, 0.25, 0.42}
330 \definecolor{indigo(web)}{rgb}{0.29, 0.0, 0.51}
331 \definecolor{internationalkleinblue}{rgb}{0.0, 0.18, 0.65}
332 \definecolor{internationalorange}{rgb}{1.0, 0.31, 0.0}
333 \definecolor{iris}{rgb}{0.35, 0.31, 0.81}
334 \ensuremath{\mbox{\mbox{\mbox{\mbox{$d$}efinecolor{isabelline}{rgb}{0.96, 0.94, 0.93}}}
335 \definecolor{islamicgreen}{rgb}{0.0, 0.56, 0.0}
336 \definecolor{ivory}{rgb}{1.0, 1.0, 0.94}
337 \definecolor{jade}{rgb}{0.0, 0.66, 0.42}
338 \definecolor{jasper}{rgb}{0.84, 0.23, 0.24}
339 \definecolor{jazzberryjam}{rgb}{0.65, 0.04, 0.37}
340 \definecolor{jonquil}{rgb}{0.98, 0.85, 0.37}
341 \definecolor{junebud}{rgb}{0.74, 0.85, 0.34}
342 \definecolor{junglegreen}{rgb}{0.16, 0.67, 0.53}
343 \definecolor{kellygreen}{rgb}{0.3, 0.73, 0.09}
344 \definecolor{khaki(html/css)(khaki)}{rgb}{0.76, 0.69, 0.57}
345 \definecolor{khaki(x11)(lightkhaki)}{rgb}{0.94, 0.9, 0.55}
346 \definecolor{lasallegreen}{rgb}{0.03, 0.47, 0.19}
347 \definecolor{languidlavender}{rgb}{0.84, 0.79, 0.87}
348 \definecolor{lapislazuli}{rgb}{0.15, 0.38, 0.61}
349 \definecolor{laserlemon}{rgb}{1.0, 1.0, 0.13}
350 \definecolor{lava}{rgb}{0.81, 0.06, 0.13}
351 \definecolor{lavender(floral)}{rgb}{0.71, 0.49, 0.86}
352 \definecolor{lavender(web)}{rgb}{0.9, 0.9, 0.98}
353 \ensuremath{\mbox{\sc define}} \{1.0\} \ensuremath{\mbox{\sc o.8, 0.8, 1.0}}
354 \definecolor{lavenderblush}{rgb}{1.0, 0.94, 0.96}
355 \ensuremath{\mbox{definecolor\{lavendergray}\{rgb\}\{0.77,\ 0.76,\ 0.82\}}
356 \definecolor{lavenderindigo}{rgb}{0.58, 0.34, 0.92}
357 \definecolor{lavendermagenta}{rgb}{0.93, 0.51, 0.93}
358 \definecolor{lavendermist}{rgb}{0.9, 0.9, 0.98}
359 \definecolor{lavenderpink}{rgb}{0.98, 0.68, 0.82}
360 \definecolor{lavenderpurple}{rgb}{0.59, 0.48, 0.71}
361 \definecolor{lavenderrose}{rgb}{0.98, 0.63, 0.89}
362 \definecolor{lawngreen}{rgb}{0.49, 0.99, 0.0}
363 \definecolor{lemon}{rgb}{1.0, 0.97, 0.0}
364 \ensuremath{\mbox{\mbox{\mbox{\mbox{$d$}}}}\{1.0,\ 0.98,\ 0.8\}
```

```
365 \ensuremath{\mbox{definecolor{lightapricot}{rgb}{0.99, 0.84, 0.69}}
366 \definecolor{lightblue}{rgb}{0.68, 0.85, 0.9}
367 \ensuremath{\mbox{definecolor{lightbrown}{rgb}{0.71, 0.4, 0.11}}
368 \definecolor{lightcarminepink}{rgb}{0.9, 0.4, 0.38}
369 \definecolor{lightcoral}{rgb}{0.94, 0.5, 0.5}
370 \definecolor{lightcornflowerblue}{rgb}{0.6, 0.81, 0.93}
371 \definecolor{lightcyan}{rgb}{0.88, 1.0, 1.0}
372 \definecolor{lightfuchsiapink}{rgb}{0.98, 0.52, 0.9}
373 \definecolor{lightgoldenrodyellow}{rgb}{0.98, 0.98, 0.82}
374 \definecolor{lightgray}{rgb}{0.83, 0.83, 0.83}
375 \definecolor{lightgreen}{rgb}{0.56, 0.93, 0.56}
376 \ensuremath{\mbox{\localightkhaki}} \{rgb\} \{0.94, 0.9, 0.55\}
377 \definecolor{lightmauve}{rgb}{0.86, 0.82, 1.0}
378 \definecolor{lightpastelpurple}{rgb}{0.69, 0.61, 0.85}
379 \definecolor{lightpink}{rgb}{1.0, 0.71, 0.76}
380 \definecolor{lightsalmon}{rgb}{1.0, 0.63, 0.48}
381 \definecolor{lightsalmonpink}{rgb}{1.0, 0.6, 0.6}
382 \definecolor{lightseagreen}{rgb}{0.13, 0.7, 0.67}
383 \definecolor{lightskyblue}{rgb}{0.53, 0.81, 0.98}
384 \definecolor{lightslategray}{rgb}{0.47, 0.53, 0.6}
385 \definecolor{lighttaupe}{rgb}{0.7, 0.55, 0.43}
386 \ensuremath{\mbox{\mbox{definecolor}\{\mbox{lightthulianpink}\}\{\mbox{rgb}\}\{0.9,\ 0.56,\ 0.67\}}
387 \definecolor{lightyellow}{rgb}{1.0, 1.0, 0.88}
388 \definecolor{lilac}{rgb}{0.78, 0.64, 0.78}
389 \definecolor{lime(colorwheel)}{rgb}{0.75, 1.0, 0.0}
390 \definecolor{lime(web)(x11green)}{rgb}{0.0, 1.0, 0.0}
391 \definecolor{limegreen}{rgb}{0.2, 0.8, 0.2}
392 \definecolor{lincolngreen}{rgb}{0.11, 0.35, 0.02}
393 \definecolor{linen}{rgb}{0.98, 0.94, 0.9}
394 \definecolor{liver}{rgb}{0.33, 0.29, 0.31}
395 \definecolor{lust}{rgb}{0.9, 0.13, 0.13}
396 \definecolor{macaroniandcheese}{rgb}{1.0, 0.74, 0.53}
397 \definecolor{magenta}{rgb}{1.0, 0.0, 1.0}
398 \definecolor{magenta(dye)}{rgb}{0.79, 0.08, 0.48}
399 \definecolor{magenta(process)){rgb}{1.0, 0.0, 0.56}
400 \definecolor{magicmint}{rgb}{0.67, 0.94, 0.82}
401 \definecolor{magnolia}{rgb}{0.97, 0.96, 1.0}
402 \definecolor{mahogany}{rgb}{0.75, 0.25, 0.0}
403 \definecolor{maize}{rgb}{0.98, 0.93, 0.37}
404 \definecolor{majorelleblue}{rgb}{0.38, 0.31, 0.86}
405 \definecolor{malachite}{rgb}{0.04, 0.85, 0.32}
406 \definecolor{manatee}{rgb}{0.59, 0.6, 0.67}
407 \ensuremath{\mbox{definecolor{mangotango}{rgb}{1.0, 0.51, 0.26}}
408 \ensuremath{\mbox{\mbox{$\sim$}}} \{rgb\} \{0.5, \ 0.0, \ 0.0\}
409 \definecolor{maroon(x11)}{rgb}{0.69, 0.19, 0.38}
410 \definecolor{mauve}{rgb}{0.88, 0.69, 1.0}
411 \definecolor{mauvetaupe}{rgb}{0.57, 0.37, 0.43}
412 \definecolor{mauvelous}{rgb}{0.94, 0.6, 0.67}
413 \definecolor{mayablue}{rgb}{0.45, 0.76, 0.98}
414 \definecolor{meatbrown}{rgb}{0.9, 0.72, 0.23}
415 \definecolor{mediumaquamarine}{rgb}{0.4, 0.8, 0.67}
416 \definecolor{mediumblue}{rgb}{0.0, 0.0, 0.8}
417 \definecolor{mediumcandyapplered}{rgb}{0.89, 0.02, 0.17}
418 \definecolor{mediumcarmine}{rgb}{0.69, 0.25, 0.21}
```

```
419 \definecolor{mediumchampagne}{rgb}{0.95, 0.9, 0.67}
420 \label{lem:color} $$420 \end{mediumelectric} \{rgb\} \{0.01,\ 0.31,\ 0.59\} $$
421 \definecolor{mediumjunglegreen}{rgb}{0.11, 0.21, 0.18}
422 \definecolor{mediumlavendermagenta}{rgb}{0.8, 0.6, 0.8}
423 \definecolor{mediumorchid}{rgb}{0.73, 0.33, 0.83}
424 \definecolor{mediumpersianblue}{rgb}{0.0, 0.4, 0.65}
425 \definecolor{mediumpurple}{rgb}{0.58, 0.44, 0.86}
426 \definecolor{mediumred-violet}{rgb}{0.73, 0.2, 0.52}
427 \definecolor{mediumseagreen}{rgb}{0.24, 0.7, 0.44}
428 \definecolor{mediumslateblue}{rgb}{0.48, 0.41, 0.93}
429 \definecolor{mediumspringbud}{rgb}{0.79, 0.86, 0.54}
430 \definecolor{mediumspringgreen}{rgb}{0.0, 0.98, 0.6}
431 \definecolor{mediumtaupe}{rgb}{0.4, 0.3, 0.28}
432 \ensuremath{ \mbox{\mbox{definecolor{mediumtealblue}{rgb}{0.0, 0.33, 0.71}}}
433 \definecolor{mediumturquoise}{rgb}{0.28, 0.82, 0.8}
434 \definecolor{mediumviolet-red}{rgb}{0.78, 0.08, 0.52}
435 \definecolor{melon}{rgb}{0.99, 0.74, 0.71}
436 \definecolor{midnightblue}{rgb}{0.1, 0.1, 0.44}
437 \definecolor{midnightgreen(eaglegreen)}{rgb}{0.0, 0.29, 0.33}
438 \definecolor{mikadoyellow}{rgb}{1.0, 0.77, 0.05}
439 \definecolor{mint}{rgb}{0.24, 0.71, 0.54}
440 \definecolor{mintcream}{rgb}{0.96, 1.0, 0.98}
441 \definecolor{mintgreen}{rgb}{0.6, 1.0, 0.6}
442 \ensuremath{\mbox{definecolor{mistyrose}{rgb}{1.0, 0.89, 0.88}}
443 \definecolor{moccasin}{rgb}{0.98, 0.92, 0.84}
444 \definecolor{modebeige}{rgb}{0.59, 0.44, 0.09}
445 \definecolor{moonstoneblue}{rgb}{0.45, 0.66, 0.76}
446 \definecolor{mordantred19}{rgb}{0.68, 0.05, 0.0}
447 \definecolor{mossgreen}{rgb}{0.68, 0.87, 0.68}
448 \definecolor{mountainmeadow}{rgb}{0.19, 0.73, 0.56}
449 \definecolor{mountbattenpink}{rgb}{0.6, 0.48, 0.55}
450 \definecolor{mulberry}{rgb}{0.77, 0.29, 0.55}
451 \definecolor{mustard}{rgb}{1.0, 0.86, 0.35}
452 \definecolor{myrtle}{rgb}{0.13, 0.26, 0.12}
453 \definecolor{msugreen}{rgb}{0.09, 0.27, 0.23}
454 \definecolor{nadeshikopink}{rgb}{0.96, 0.68, 0.78}
455 \definecolor{napiergreen}{rgb}{0.16, 0.5, 0.0}
456 \definecolor{naplesyellow}{rgb}{0.98, 0.85, 0.37}
457 \definecolor{navajowhite}{rgb}{1.0, 0.87, 0.68}
458 \ensuremath{\mbox{definecolor\{navyblue\}\{rgb\}\{0.0, 0.0, 0.5\}}}
459 \definecolor{neoncarrot}{rgb}{1.0, 0.64, 0.26}
460 \definecolor{neonfuchsia}{rgb}{1.0, 0.25, 0.39}
461 \ensuremath{\mbox{definecolor\{neongreen\}\{rgb\}\{0.22, 0.88, 0.08\}}}
462 \definecolor{non-photoblue}{rgb}{0.64, 0.87, 0.93}
463 \definecolor{oceanboatblue}{rgb}{0.0, 0.47, 0.75}
464 \ensuremath{\mbox{definecolor}\{\mbox{ochre}\}\{\mbox{rgb}\}\{\mbox{0.8, 0.47, 0.13}\}
465 \definecolor{officegreen}{rgb}{0.0, 0.5, 0.0}
466 \definecolor{oldgold}{rgb}{0.81, 0.71, 0.23}
467 \definecolor{oldlace}{rgb}{0.99, 0.96, 0.9}
468 \definecolor{oldlavender}{rgb}{0.47, 0.41, 0.47}
469 \definecolor{oldmauve}{rgb}{0.4, 0.19, 0.28}
470 \ensuremath{\mbox{definecolor}\{\mbox{oldrose}\}\{\mbox{rgb}\}\{\mbox{0.75, 0.5, 0.51}\}
471 \definecolor{olive}{rgb}{0.5, 0.5, 0.0}
472 \end{fine} (web) (olivedrab3) \end{fine} \{0.42, 0.56, 0.14\}
```

```
473 \ensuremath{\mbox{definecolor}\{\mbox{olivedrab7}\}\{\mbox{rgb}\}\{\mbox{0.24, 0.2, 0.12}\}\}
474 \definecolor{olivine}{rgb}{0.6, 0.73, 0.45}
475 \definecolor{onyx}{rgb}{0.06, 0.06, 0.06}
476 \definecolor{operamauve}{rgb}{0.72, 0.52, 0.65}
477 \definecolor{orange(colorwheel)}{rgb}{1.0, 0.5, 0.0}
478 \definecolor{orange(ryb)}{rgb}{0.98, 0.6, 0.01}
479 \definecolor{orange(webcolor)}{rgb}{1.0, 0.65, 0.0}
480 \definecolor{orangepeel}{rgb}{1.0, 0.62, 0.0}
481 \definecolor{orange-red}{rgb}{1.0, 0.27, 0.0}
482 \definecolor{orchid}{rgb}{0.85, 0.44, 0.84}
483 \definecolor{otterbrown}{rgb}{0.4, 0.26, 0.13}
484 \definecolor{outerspace}{rgb}{0.25, 0.29, 0.3}
485 \definecolor{outrageousorange}{rgb}{1.0, 0.43, 0.29}
486 \definecolor{oxfordblue}{rgb}{0.0, 0.13, 0.28}
487 \definecolor{oucrimsonred}{rgb}{0.6, 0.0, 0.0}
488 \definecolor{pakistangreen}{rgb}{0.0, 0.4, 0.0}
489 \definecolor{palatinateblue}{rgb}{0.15, 0.23, 0.89}
490 \definecolor{palatinatepurple}{rgb}{0.41, 0.16, 0.38}
491 \ensuremath{\mbox{definecolor{paleaqua}{rgb}{0.74, 0.83, 0.9}}
492 \definecolor{paleblue}{rgb}{0.69, 0.93, 0.93}
493 \ensuremath{\mbox{definecolor{palebrown}{rgb}{0.6, 0.46, 0.33}}
494 \definecolor{palecarmine}{rgb}{0.69, 0.25, 0.21}
495 \definecolor{palecerulean}{rgb}{0.61, 0.77, 0.89}
496 \definecolor{palechestnut}{rgb}{0.87, 0.68, 0.69}
497 \definecolor{palecopper}{rgb}{0.85, 0.54, 0.4}
498 \definecolor{palecornflowerblue}{rgb}{0.67, 0.8, 0.94}
499 \definecolor{palegold}{rgb}{0.9, 0.75, 0.54}
500 \definecolor{palegoldenrod}{rgb}{0.93, 0.91, 0.67}
501 \definecolor{palegreen}{rgb}{0.6, 0.98, 0.6}
502 \definecolor{palemagenta}{rgb}{0.98, 0.52, 0.9}
503 \definecolor{palepink}{rgb}{0.98, 0.85, 0.87}
504 \definecolor{paleplum}{rgb}{0.8, 0.6, 0.8}
505 \definecolor{palered-violet}{rgb}{0.86, 0.44, 0.58}
506 \definecolor{palerobineggblue}{rgb}{0.59, 0.87, 0.82}
507 \definecolor{palesilver}{rgb}{0.79, 0.75, 0.73}
508 \definecolor{palespringbud}{rgb}{0.93, 0.92, 0.74}
509 \definecolor{paletaupe}{rgb}{0.74, 0.6, 0.49}
510 \definecolor{paleviolet-red}{rgb}{0.86, 0.44, 0.58}
511 \definecolor{pansypurple}{rgb}{0.47, 0.09, 0.29}
512 \definecolor{papayawhip}{rgb}{1.0, 0.94, 0.84}
513 \definecolor{parisgreen}{rgb}{0.31, 0.78, 0.47}
514 \definecolor{pastelblue}{rgb}{0.68, 0.78, 0.81}
515 \definecolor{pastelbrown}{rgb}{0.51, 0.41, 0.33}
516 \definecolor{pastelgray}{rgb}{0.81, 0.81, 0.77}
517 \label{lem:color} $$ 17 \end{fine} {\rm color} {\rm pastelgreen} {\rm color} {\rm 0.47}, \ 0.87, \ 0.47 
518 \definecolor{pastelmagenta}{rgb}{0.96, 0.6, 0.76}
519 \definecolor{pastelorange}{rgb}{1.0, 0.7, 0.28}
520 \definecolor{pastelpink}{rgb}{1.0, 0.82, 0.86}
521 \definecolor{pastelpurple}{rgb}{0.7, 0.62, 0.71}
522 \definecolor{pastelred}{rgb}{1.0, 0.41, 0.38}
523 \definecolor{pastelviolet}{rgb}{0.8, 0.6, 0.79}
524 \definecolor{pastelyellow}{rgb}{0.99, 0.99, 0.59}
525 \definecolor{patriarch}{rgb}{0.5, 0.0, 0.5}
526 \ensuremath{\mbox{definecolor{payne}'sgrey}{rgb}{0.25, 0.25, 0.28}
```

```
527 \ensuremath{\mbox{definecolor{peach}{rgb}{1.0, 0.9, 0.71}}
528 \definecolor{peach-orange}{rgb}{1.0, 0.8, 0.6}
529 \definecolor{peachpuff}{rgb}{1.0, 0.85, 0.73}
530 \definecolor{peach-yellow}{rgb}{0.98, 0.87, 0.68}
531 \definecolor{pear}{rgb}{0.82, 0.89, 0.19}
532 \definecolor{pearl}{rgb}{0.94, 0.92, 0.84}
533 \definecolor{peridot}{rgb}{0.9, 0.89, 0.0}
534 \definecolor{periwinkle}{rgb}{0.8, 0.8, 1.0}
535 \definecolor{persianblue}{rgb}{0.11, 0.22, 0.73}
536 \definecolor{persiangreen}{rgb}{0.0, 0.65, 0.58}
537 \definecolor{persianindigo}{rgb}{0.2, 0.07, 0.48}
538 \definecolor{persianorange}{rgb}{0.85, 0.56, 0.35}
539 \definecolor{peru}{rgb}{0.8, 0.52, 0.25}
540 \ensuremath{\mbox{definecolor{persianpink}{rgb}{0.97, 0.5, 0.75}}
541 \definecolor{persianplum}{rgb}{0.44, 0.11, 0.11}
542 \definecolor{persianred}{rgb}{0.8, 0.2, 0.2}
543 \definecolor{persianrose}{rgb}{1.0, 0.16, 0.64}
544 \definecolor{persimmon}{rgb}{0.93, 0.35, 0.0}
545 \definecolor{phlox}{rgb}{0.87, 0.0, 1.0}
546 \definecolor{phthaloblue}{rgb}{0.0, 0.06, 0.54}
547\ensuremath{\mbox{\sc fine}\mbox{\sc fine}\mbo
548 \definecolor{piggypink}{rgb}{0.99, 0.87, 0.9}
549 \definecolor{pinegreen}{rgb}{0.0, 0.47, 0.44}
550 \definecolor{pink}{rgb}{1.0, 0.75, 0.8}
551 \definecolor{pink-orange}{rgb}{1.0, 0.6, 0.4}
552 \definecolor{pinkpearl}{rgb}{0.91, 0.67, 0.81}
553 \definecolor{pinksherbet}{rgb}{0.97, 0.56, 0.65}
554 \definecolor{pistachio}{rgb}{0.58, 0.77, 0.45}
555 \definecolor{platinum}{rgb}{0.9, 0.89, 0.89}
556 \definecolor{plum(traditional)}{rgb}{0.56, 0.27, 0.52}
557 \definecolor{plum(web)}{rgb}{0.8, 0.6, 0.8}
558 \definecolor{portlandorange}{rgb}{1.0, 0.35, 0.21}
559 \ensuremath{\mbox{\sc howderblue(web)}{gb}{0.69, 0.88, 0.9}}
560 \definecolor{princetonorange}{rgb}{1.0, 0.56, 0.0}
561 \definecolor{prune}{rgb}{0.44, 0.11, 0.11}
562 \definecolor{prussianblue}{rgb}{0.0, 0.19, 0.33}
563 \definecolor{psychedelicpurple}{rgb}{0.87, 0.0, 1.0}
564 \definecolor{puce}{rgb}{0.8, 0.53, 0.6}
565 \definecolor{pumpkin}{rgb}{1.0, 0.46, 0.09}
566 \definecolor{purple(html/css)}{rgb}{0.5, 0.0, 0.5}
567 \definecolor{purple(munsell)}{rgb}{0.62, 0.0, 0.77}
568 \definecolor{purple(x11)}{rgb}{0.63, 0.36, 0.94}
569 \definecolor{purpleheart}{rgb}{0.41, 0.21, 0.61}
570 \definecolor{purplemountainmajesty}{rgb}{0.59, 0.47, 0.71}
571 \definecolor{purplepizzazz}{rgb}{1.0, 0.31, 0.85}
572 \definecolor{purpletaupe}{rgb}{0.31, 0.25, 0.3}
573 \definecolor{radicalred}{rgb}{1.0, 0.21, 0.37}
574 \definecolor{raspberry}{rgb}{0.89, 0.04, 0.36}
575 \definecolor{raspberryglace}{rgb}{0.57, 0.37, 0.43}
576 \definecolor{raspberrypink}{rgb}{0.89, 0.31, 0.61}
577 \definecolor{raspberryrose}{rgb}{0.7, 0.27, 0.42}
578 \definecolor{rawumber}{rgb}{0.51, 0.4, 0.27}
579 \definecolor{razzledazzlerose}{rgb}{1.0, 0.2, 0.8}
580 \ensuremath{\mbox{definecolor{razzmatazz}{rgb}{0.89, 0.15, 0.42}}
```

```
581 \ensuremath{\mbox{definecolor{red}{rgb}{1.0, 0.0, 0.0}}
582 \definecolor{red(munsell)}{rgb}{0.95, 0.0, 0.24}
583 \ensuremath{\mbox{\mbox{definecolor}\{\mbox{red}(\mbox{ncs})\}\{\mbox{rgb}\}\{0.77,\ 0.01,\ 0.2\}}
584 \definecolor{red(pigment)}{rgb}{0.93, 0.11, 0.14}
585 \definecolor{red(ryb)}{rgb}{1.0, 0.15, 0.07}
586 \definecolor{red-brown}{rgb}{0.65, 0.16, 0.16}
587 \definecolor{red-violet}{rgb}{0.78, 0.08, 0.52}
588 \definecolor{redwood}{rgb}{0.67, 0.31, 0.32}
589 \definecolor{regalia}{rgb}{0.32, 0.18, 0.5}
590 \definecolor{richblack}{rgb}{0.0, 0.25, 0.25}
591 \definecolor{richbrilliantlavender}{rgb}{0.95, 0.65, 1.0}
592 \definecolor{richcarmine}{rgb}{0.84, 0.0, 0.25}
593 \definecolor{richelectricblue}{rgb}{0.03, 0.57, 0.82}
594 \definecolor{richlavender}{rgb}{0.67, 0.38, 0.8}
595 \definecolor{richlilac}{rgb}{0.71, 0.4, 0.82}
596 \definecolor{richmaroon}{rgb}{0.69, 0.19, 0.38}
597 \definecolor{riflegreen}{rgb}{0.25, 0.28, 0.2}
598 \definecolor{robineggblue}{rgb}{0.0, 0.8, 0.8}
599 \definecolor{rose}{rgb}{1.0, 0.0, 0.5}
600 \definecolor{rosebonbon}{rgb}{0.98, 0.26, 0.62}
601 \definecolor{roseebony}{rgb}{0.4, 0.3, 0.28}
602 \ensuremath{\mbox{\sc definecolor{rosegold}{rgb}{0.72, 0.43, 0.47}}
603 \ensuremath{\mbox{definecolor{rosemadder}{rgb}{0.89, 0.15, 0.21}}
604 \definecolor{rosepink}{rgb}{1.0, 0.4, 0.8}
605 \definecolor{rosequartz}{rgb}{0.67, 0.6, 0.66}
606 \definecolor{rosetaupe}{rgb}{0.56, 0.36, 0.36}
607 \definecolor{rosevale}{rgb}{0.67, 0.31, 0.32}
608 \definecolor{rosewood}{rgb}{0.4, 0.0, 0.04}
609 \definecolor{rossocorsa}{rgb}{0.83, 0.0, 0.0}
610 \definecolor{rosybrown}{rgb}{0.74, 0.56, 0.56}
611 \definecolor{royalazure}{rgb}{0.0, 0.22, 0.66}
612 \ensuremath{\mbox{definecolor{royalblue(traditional)}{rgb}{0.0, 0.14, 0.4}}
613 \definecolor{royalblue(web)}{rgb}{0.25, 0.41, 0.88}
614 \definecolor{royalfuchsia}{rgb}{0.79, 0.17, 0.57}
615 \definecolor{royalpurple}{rgb}{0.47, 0.32, 0.66}
616 \definecolor{ruby}{rgb}{0.88, 0.07, 0.37}
617 \definecolor{ruddy}{rgb}{1.0, 0.0, 0.16}
618 \definecolor{ruddybrown}{rgb}{0.73, 0.4, 0.16}
619 \definecolor{ruddypink}{rgb}{0.88, 0.56, 0.59}
620 \definecolor{rufous}{rgb}{0.66, 0.11, 0.03}
621 \definecolor{russet}{rgb}{0.5, 0.27, 0.11}
622 \definecolor{rust}{rgb}{0.72, 0.25, 0.05}
623 \definecolor{sacramentostategreen}{rgb}{0.0, 0.34, 0.25}
624 \definecolor{saddlebrown}{rgb}{0.55, 0.27, 0.07}
625 \definecolor{safetyorange(blazeorange)}{rgb}{1.0, 0.4, 0.0}
626 \definecolor{saffron}{rgb}{0.96, 0.77, 0.19}
627 \definecolor{st.patrick\'sblue}{rgb}{0.14, 0.16, 0.48}
628 \definecolor{salmon}{rgb}{1.0, 0.55, 0.41}
629 \definecolor{salmonpink}{rgb}{1.0, 0.57, 0.64}
630 \definecolor{sand}{rgb}{0.76, 0.7, 0.5}
631 \definecolor{sanddune}{rgb}{0.59, 0.44, 0.09}
632 \definecolor{sandstorm}{rgb}{0.93, 0.84, 0.25}
633 \definecolor{sandybrown}{rgb}{0.96, 0.64, 0.38}
634 \ensuremath{\mbox{\mbox{\mbox{\mbox{$d$}}}} \{0.59,\ 0.44,\ 0.09\}
```

```
635 \definecolor{sangria}{rgb}{0.57, 0.0, 0.04}
636 \definecolor{sapgreen}{rgb}{0.31, 0.49, 0.16}
637 \definecolor{sapphire}{rgb}{0.03, 0.15, 0.4}
638 \definecolor{satinsheengold}{rgb}{0.8, 0.63, 0.21}
639 \definecolor{scarlet}{rgb}{1.0, 0.13, 0.0}
640 \definecolor{schoolbusyellow}{rgb}{1.0, 0.85, 0.0}
641 \definecolor{screamin\'green}{rgb}{0.46, 1.0, 0.44}
642 \definecolor{seagreen}{rgb}{0.18, 0.55, 0.34}
643 \definecolor{sealbrown}{rgb}{0.2, 0.08, 0.08}
644 \definecolor{seashell}{rgb}{1.0, 0.96, 0.93}
645 \definecolor{selectiveyellow}{rgb}{1.0, 0.73, 0.0}
646 \definecolor{sepia}{rgb}{0.44, 0.26, 0.08}
647 \definecolor{shadow}{rgb}{0.54, 0.47, 0.36}
648 \definecolor{shamrockgreen}{rgb}{0.0, 0.62, 0.38}
649 \definecolor{shockingpink}{rgb}{0.99, 0.06, 0.75}
650 \definecolor{sienna}{rgb}{0.53, 0.18, 0.09}
651 \definecolor{silver}{rgb}{0.75, 0.75, 0.75}
652 \definecolor{sinopia}{rgb}{0.8, 0.25, 0.04}
653 \definecolor{skobeloff}{rgb}{0.0, 0.48, 0.45}
654 \definecolor{skyblue}{rgb}{0.53, 0.81, 0.92}
655 \definecolor{skymagenta}{rgb}{0.81, 0.44, 0.69}
656 \definecolor{slateblue}{rgb}{0.42, 0.35, 0.8}
657 \ensuremath{\mbox{definecolor}\{slategray\}\{rgb\}\{0.44,\ 0.5,\ 0.56\}}
658 \definecolor{smalt(darkpowderblue)}{rgb}{0.0, 0.2, 0.6}
659 \definecolor{smokeytopaz}{rgb}{0.58, 0.25, 0.03}
660 \definecolor{smokyblack}{rgb}{0.06, 0.05, 0.03}
661 \definecolor{snow}{rgb}{1.0, 0.98, 0.98}
662 \definecolor{spirodiscoball}{rgb}{0.06, 0.75, 0.99}
663 \definecolor{splashedwhite}{rgb}{1.0, 0.99, 1.0}
664 \definecolor{springbud}{rgb}{0.65, 0.99, 0.0}
665 \definecolor{springgreen}{rgb}{0.0, 1.0, 0.5}
666 \definecolor{steelblue}{rgb}{0.27, 0.51, 0.71}
667 \definecolor{stildegrainyellow}{rgb}{0.98, 0.85, 0.37}
668 \definecolor{straw}{rgb}{0.89, 0.85, 0.44}
669 \ensuremath{\mbox{definecolor}\{\mbox{sunglow}\}\{\mbox{rgb}\}\{1.0,\ 0.8,\ 0.2\}}
670 \definecolor{sunset}{rgb}{0.98, 0.84, 0.65}
671 \definecolor{tan}{rgb}{0.82, 0.71, 0.55}
672 \definecolor{tangelo}{rgb}{0.98, 0.3, 0.0}
673 \definecolor{tangerine}{rgb}{0.95, 0.52, 0.0}
674 \definecolor{tangerineyellow}{rgb}{1.0, 0.8, 0.0}
675 \definecolor{taupe}{rgb}{0.28, 0.24, 0.2}
676 \definecolor{taupegray}{rgb}{0.55, 0.52, 0.54}
677 \definecolor{teagreen}{rgb}{0.82, 0.94, 0.75}
678 \ensuremath{\mbox{\mbox{definecolor}\{\mbox{tearose}(\mbox{\mbox{orange}})\}\{\mbox{\mbox{\mbox{rgb}}}\{\mbox{0.97},\mbox{0.51},\mbox{0.47}\}}
679 \definecolor{tearose(rose)}{rgb}{0.96, 0.76, 0.76}
680 \definecolor{teal}{rgb}{0.0, 0.5, 0.5}
681 \definecolor{tealblue}{rgb}{0.21, 0.46, 0.53}
682 \definecolor{tealgreen}{rgb}{0.0, 0.51, 0.5}
683 \definecolor{tenné(tawny)}{rgb}{0.8, 0.34, 0.0}
684 \definecolor{terracotta}{rgb}{0.89, 0.45, 0.36}
685 \definecolor{thistle}{rgb}{0.85, 0.75, 0.85}
686 \definecolor{thulianpink}{rgb}{0.87, 0.44, 0.63}
687 \definecolor{ticklemepink}{rgb}{0.99, 0.54, 0.67}
688 \definecolor{tiffanyblue}{rgb}{0.04, 0.73, 0.71}
```

```
689 \definecolor\{tiger\'seye\}\{rgb\}\{0.88, 0.55, 0.24\}
690 \definecolor{timberwolf}{rgb}{0.86, 0.84, 0.82}
691 \definecolor{titaniumyellow}{rgb}{0.93, 0.9, 0.0}
692 \definecolor{tomato}{rgb}{1.0, 0.39, 0.28}
693 \definecolor{toolbox}{rgb}{0.45, 0.42, 0.75}
694 \definecolor{tractorred}{rgb}{0.99, 0.05, 0.21}
695 \definecolor{trolleygrey}{rgb}{0.5, 0.5, 0.5}
696 \definecolor{tropicalrainforest}{rgb}{0.0, 0.46, 0.37}
697 \definecolor{trueblue}{rgb}{0.0, 0.45, 0.81}
698 \definecolor{tuftsblue}{rgb}{0.28, 0.57, 0.81}
699 \definecolor{tumbleweed}{rgb}{0.87, 0.67, 0.53}
700 \definecolor{turkishrose}{rgb}{0.71, 0.45, 0.51}
701 \definecolor{turquoise}\{rgb\}\{0.19, 0.84, 0.78\}
702 \definecolor{turquoiseblue}{rgb}{0.0, 1.0, 0.94}
703 \definecolor{turquoisegreen}{rgb}{0.63, 0.84, 0.71}
704 \definecolor{tuscanred}{rgb}{0.51, 0.21, 0.21}
705 \definecolor{twilightlavender}{rgb}{0.54, 0.29, 0.42}
706 \definecolor{tyrianpurple}{rgb}{0.4, 0.01, 0.24}
707 \definecolor{uablue}{rgb}{0.0, 0.2, 0.67}
708 \definecolor{uared}{rgb}{0.85, 0.0, 0.3}
709 \definecolor{ube}{rgb}{0.53, 0.47, 0.76}
710 \definecolor{uclablue}{rgb}{0.33, 0.41, 0.58}
711 \definecolor{uclagold}{rgb}{1.0, 0.7, 0.0}
712 \definecolor{ufogreen}{rgb}{0.24, 0.82, 0.44}
713 \definecolor{ultramarine}{rgb}{0.07, 0.04, 0.56}
714 \definecolor{ultramarineblue}{rgb}{0.25, 0.4, 0.96}
715 \definecolor{ultrapink}{rgb}{1.0, 0.44, 1.0}
716 \definecolor{umber}{rgb}{0.39, 0.32, 0.28}
717 \definecolor{unitednationsblue}{rgb}{0.36, 0.57, 0.9}
718 \definecolor{unmellowyellow}{rgb}{1.0, 1.0, 0.4}
719 \definecolor{upforestgreen}{rgb}{0.0, 0.27, 0.13}
720 \definecolor{upmaroon}{rgb}{0.48, 0.07, 0.07}
721 \displaystyle \operatorname{definecolor}\{\operatorname{upsdellred}\{\operatorname{rgb}\}\{0.68,\ 0.09,\ 0.13\}
722 \definecolor{urobilin}{rgb}{0.88, 0.68, 0.13}
723 \definecolor{usccardinal}{rgb}{0.6, 0.0, 0.0}
724 \definecolor{uscgold}{rgb}{1.0, 0.8, 0.0}
725 \definecolor{utahcrimson}{rgb}{0.83, 0.0, 0.25}
726 \definecolor{vanilla}{rgb}{0.95, 0.9, 0.67}
727 \definecolor{vegasgold}{rgb}{0.77, 0.7, 0.35}
728 \definecolor{venetianred}{rgb}{0.78, 0.03, 0.08}
729 \definecolor{verdigris}{rgb}{0.26, 0.7, 0.68}
730 \definecolor{vermilion}{rgb}{0.89, 0.26, 0.2}
731 \definecolor{veronica}{rgb}{0.63, 0.36, 0.94}
732 \definecolor{violet}{rgb}\{0.56, 0.0, 1.0\}
733 \definecolor{violet(colorwheel)}{rgb}{0.5, 0.0, 1.0}
734 \definecolor{violet(ryb)}{rgb}{0.53, 0.0, 0.69}
735 \definecolor{violet(web)}{rgb}{0.93, 0.51, 0.93}
736 \definecolor{viridian}{rgb}{0.25, 0.51, 0.43}
737 \definecolor{vividauburn}{rgb}{0.58, 0.15, 0.14}
738 \definecolor{vividburgundy}{rgb}{0.62, 0.11, 0.21}
739 \definecolor{vividcerise}{rgb}{0.85, 0.11, 0.51}
740 \definecolor{vividtangerine}{rgb}{1.0, 0.63, 0.54}
741 \definecolor{vividviolet}{rgb}{0.62, 0.0, 1.0}
742 \definecolor{warmblack}{rgb}{0.0, 0.26, 0.26}
```

```
743 \definecolor{wenge}{rgb}\{0.39, 0.33, 0.32\}
744 \ensuremath{\mbox{\mbox{$\sim$}} \{0.96,\ 0.87,\ 0.7\}
745 \definecolor{white}{rgb}{1.0, 1.0, 1.0}
746\ensuremath{\mbox{\mbox{\mbox{$d$efinecolor{$whitesmoke}{rgb}{0.96, 0.96, 0.96}}}}
747 \definecolor{wildblueyonder}{rgb}{0.64, 0.68, 0.82}
748 \definecolor{wildstrawberry}{rgb}{1.0, 0.26, 0.64}
749 \definecolor{wildwatermelon}{rgb}{0.99, 0.42, 0.52}
750 \definecolor{wisteria}{rgb}{0.79, 0.63, 0.86}
751 \definecolor{xanadu}{rgb}\{0.45, 0.53, 0.47\}
752 \definecolor{yaleblue}{rgb}{0.06, 0.3, 0.57}
753 \definecolor{yellow}{rgb}\{1.0, 1.0, 0.0\}
754 \definecolor{yellow(munsell)}{rgb}\{0.94, 0.8, 0.0\}
755 \definecolor{yellow(ncs)}{rgb}{1.0, 0.83, 0.0}
756 \definecolor{yellow(process)}{rgb}{1.0, 0.94, 0.0}
757 \definecolor{yellow(ryb)}{rgb}\{1.0, 1.0, 0.2\}
758 \definecolor{yellow-green}{rgb}{0.6, 0.8, 0.2}
759 \definecolor{zaffre}{rgb}{0.0, 0.08, 0.66}
760 \label{lem:color} $$760 \end{submitted} $$17, 0.09, 0.03$
```