# The latexcolors package\*

#### Tobias Plüss

#### 2019/01/06

#### 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.

#### Contents

1	Package dependencies	1				
2	List of defined colors	1				
3	Acknowledgements	7				
4	Implementation	7				
Change History						
v0.	General: Submission to CTAN 1 color names. Create a makefile.	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, ordered by their hue. To use one of the colors, simply use \color{<name>} where <name> is one of the color names listed below.

<sup>\*</sup>This document corresponds to latex colors v0.1a, dated 2019/01/06.

_	_	_
black	candyapplered	atomictangerine
onyx	lightcarminepink	pink-orange
sealbrown	pastelred	auburn
darksienna	carminepink	mahogany
davy\'sgrey	deepchestnut	palesilver
dimgray	mordantred19	mangotango
persianplum	coralpink	antiquebrass
prune	tearose(orange)	umber
upmaroon	mediumcarmine	persimmon
gray	palecarmine	beaver
gray(html/cssgray)	mistyrose	smokeytopaz
<pre>trolleygrey</pre>	red(ryb)	<pre>safetyorange(blazeorange)</pre>
falured	cinnabar	pumpkin
maroon(html/css)	vermilion	russet
tuscanred	caputmortuum	tumbleweed
darkred	melon	burntorange
rosetaupe	ferrarired	frenchbeige
copperrose	■ bittersweet	apricot
oucrimsonred	rufous	chocolate(web)
usccardinal	scarlet	cinnamon
<pre>darkcandyapplered</pre>	darkchestnut	cocoabrown
brown(web)	wenge	saddlebrown
red-brown	burntumber	bistre
darkgray	tomato	desertsand
firebrick	<pre>darkpastelred</pre>	<pre>persianorange</pre>
carnelian	<pre>mediumtaupe</pre>	ruddybrown
cornellred	roseebony	tenne(tawny)
rosybrown	bole	seashell
gray(x11gray)	darkcoral	zinnwalditebrown
silver	terracotta	chamoisee
fuzzywuzzy	<pre>portlandorange</pre>	<pre>paletaupe</pre>
chestnut	vividtangerine	<pre>pastelbrown</pre>
indianred	outrageousorange	peachpuff
<pre>persianred</pre>	sienna	deeppeach
<pre>bostonuniversityred</pre>	<pre>coquelicot</pre>	lighttaupe
lightgray	burntsienna	macaroniandcheese
rossocorsa	salmon	sandybrown
gainsboro	cinereous	cadmiumorange
platinum	darksalmon	copper
lust	orange-red	darkbrown
lightcoral	coral	<pre>otterbrown</pre>
whitesmoke	sinopia sinopia	<pre>palebrown</pre>
babypink	lightsalmon	lightbrown
tearose(rose)	flame	tiger\'seye
white	rust	amber(sae/ece)
snow	<pre>tangelo</pre>	peru
lightsalmonpink	<pre>internationalorange</pre>	brown(traditional)
coralred	<pre>palecopper</pre>	linen
red	deepcarrotorange	<pre>darklava</pre>
■ vividauburn	isabelline	■ darktaupe
		-

_		_	
taupe		gamboge	schoolbusyellow
bronze		oldlace	yellow(munsell)
deepsaffron		cosmiclatte	flavescent
sepia	_	floralwhite	arylideyellow
timberwolf		smokyblack	hansayellow
almond		olivedrab7	brass
lightapricot		harvestgold	sandstorm
orange(colorwheel)		drab	goldenyellow
fawn		modebeige	khaki(x11)(lightkhaki)
peach-orange		sanddune	lightkhaki
ochre		sandytaupe	lemonchiffon
neoncarrot		uclagold	straw
<pre>chocolate(traditional)</pre>		fielddrab	citrine
bisque		satinsheengold	maize
camel		darkgoldenrod	corn
desert		goldenrod	dandelion
fallow		selectiveyellow	palegoldenrod
grullo		meatbrown	darkkhaki
rawumber		urobilin	aureolin
tangerine		bananamania	canaryyellow
carrotorange		sunglow	yellow(process)
darkorange		amber	cream
burlywood		fluorescentorange	palespringbud
<pre>princetonorange</pre>		saffron	cadmiumyellow
earthyellow		mikadoyellow	titaniumyellow
antiquewhite		darktan	icterine
moccasin		goldenpoppy	lemon
deepchampagne		darkchampagne	peridot
sunset		ecru	heartgold
ginger		sand	olive
indianyellow		gold(metallic)	battleshipgrey
palegold		mustard	pastelgray
<pre>pastelorange</pre>		cornsilk	beige
tan		jonquil	lightgoldenrodyellow
navajowhite		naplesyellow	pastelyellow
blanchedalmond		stildegrainyellow	ivory
fulvous		tangerineyellow	lightyellow
orange(ryb)		uscgold	yellow(ryb)
shadow		eggshell	daffodil
goldenbrown		pearl	electricyellow
orangepeel		buff	yellow
<pre>papayawhip</pre>		mediumchampagne	unmellowyellow
champagne		vanilla	laserlemon
khaki(html/css)(khaki)		blond	pear
peach-yellow		oldgold	chartreuse(traditional)
darktangerine		yellow(ncs)	electriclime
chromeyellow		vegasgold	fluorescentyellow
orange(webcolor)		flax	armygreen
wheat		gold(web)(golden)	junebud
peach		bananayellow	mediumspringbud

_	_	_
applegreen	celadon	skobeloff
lime(colorwheel)	huntergreen	turquoiseblue
yellow-green	ashgrey	lightseagreen
olivedrab(web)(olivedrab3)	xanadu	verdigris
springbud	etonblue	brightturquoise
darkolivegreen	calpolypomonagreen	mediumturquoise
riflegreen	darkpastelgreen	tiffanyblue
green-yellow	cambridgeblue	tealgreen
inchworm	emerald	richblack
olivine	parisgreen	warmblack
chartreuse(web)	ufogreen	deepjunglegreen
lawngreen	malachite	darkslategray
asparagus	lasallegreen	aurometalsaurus
sapgreen	turquoisegreen	teal
camouflagegreen	seagreen	darkcyan
green(ryb)	mediumseagreen	robineggblue
pistachio	green(pigment)	blue-green
brightgreen	forestgreen(traditional)	paleblue
teagreen	upforestgreen	azure(web)(azuremist)
dollarbill	darkspringgreen	bubbles
kellygreen	mintcream	lightcyan
<pre>napiergreen</pre>	guppiegreen	aqua
lincolngreen	springgreen	cyan
harlequin	phthalogreen	electriccyan
ferngreen	feldgrau	darkturquoise
neongreen	magicmint	cadetblue
grannysmithapple	cadmiumgreen	electricblue
indiagreen	■ britishracinggreen	powderblue(web)
myrtle	mediumspringgreen	blizzardblue
screamin\'green	shamrockgreen	midnightgreen(eaglegreen)
gray-asparagus	jade	bondiblue
<pre>pakistangreen</pre>	mint	ballblue
hooker\'sgreen	darkgreen	outerspace
ao(english)	aquamarine	non-photoblue
green(html/cssgreen)	mediumaquamarine	cyan(process)
officegreen	green(ncs)	tealblue
forestgreen(web)	mountainmeadow	lightblue
islamicgreen	■ viridian	pastelblue
darkseagreen	mediumjunglegreen	brightcerulean
limegreen	green(munsell)	capri
mossgreen	junglegreen	deepskyblue
<pre>pastelgreen</pre>	sacramentostategreen	spirodiscoball
lightgreen	<pre>darkjunglegreen</pre>	cerulean
palegreen	caribbeangreen	blue(munsell)
honeydew	msugreen	skyblue
mintgreen	<pre>tropicalrainforest</pre>	blue(ncs)
electricgreen	palerobineggblue	richelectricblue
green(colorwheel)(x11green)	persiangreen	moonstoneblue
lime(web)(x11green)	turquoise	babyblue
dartmouthgreen	pinegreen	arsenic

columbiablue	royalazure	lightpastelpurple
lightcornflowerblue	sapphire	mediumpurple
oceanboatblue	uclablue	darkpastelpurple
lightskyblue	uablue	lavenderindigo
frenchblue	hanblue	regalia
mediumpersianblue	internationalkleinblue	electricindigo
charcoal	blue(ryb)	royalpurple
airforceblue	ceruleanblue	purple(x11)
indigo(dye)	royalblue(web)	veronica
mayablue	ceil	lavenderpurple
cadetgrey	egyptianblue	purpleheart
prussianblue	wildblueyonder	amethyst
cadet	ultramarineblue	darklavender
darkelectricblue	persianblue	<pre>purplemountainmajesty</pre>
palecerulean	coolgrey	<pre>violet(colorwheel)</pre>
celestialblue	manatee	blue-violet
beaublue	zaffre	brightlavender
paleaqua	phthaloblue	electricviolet
trueblue	palatinateblue	violet
iceberg	st.patrick\'sblue	indigo(web)
tuftsblue	<pre>payne\'sgrey</pre>	lavender(floral)
steelblue	midnightblue	mauve
darkcerulean	navyblue	vividviolet
mediumelectricblue	darkblue	languidlavender
darkmidnightblue	blue(pigment)	darkorchid
lapislazuli	dukeblue	deeplilac
bleudefrance	mediumblue	brightube
babyblueeyes	bluebell	richlavender
aliceblue	anti-flashwhite	wisteria
dodgerblue	lavender(web)	darkviolet
azure(colorwheel)	lavendermist	richlilac
slategray	ghostwhite	electricpurple
bluegray	lavenderblue	heliotrope
palecornflowerblue	periwinkle	<pre>violet(ryb)</pre>
yaleblue	ao	mediumorchid
mediumtealblue	blue	purple(munsell)
oxfordblue	ultramarine	frenchlilac
lightslategray	iris	brilliantlavender
coolblack	toolbox	electriclavender
denim	majorelleblue	richbrilliantlavender
darkpastelblue	darkslateblue	phlox
carolinablue	mediumslateblue	psychedelicpurple
brandeisblue	slateblue	<pre>pastelpurple</pre>
cobalt	lavendergray	oldlavender
glaucous	ube	<pre>patriarch</pre>
unitednationsblue	lightmauve	<pre>purple(html/css)</pre>
cornflowerblue	magnolia	darkmagenta
royalblue(traditional)	electricultramarine	deepfuchsia
darkpowderblue	hanpurple	lilac
<pre>smalt(darkpowderblue)</pre>	persianindigo	mediumlavendermagenta

_			_	
	paleplum	jazzberryjam		puce
	plum(web)	vividcerise		flamingopink
•	deepmagenta	eggplant		red(munsell)
	thistle	persianpink		piggypink
	lavendermagenta	pansypurple		red(ncs)
	violet(web)	twilightlavender		electriccrimson
	splashedwhite	raspberrypink		brightmaroon
	fuchsiapink	wildstrawberry		americanrose
	ultrapink	hotpink		turkishrose
	fuchsia	deepcerise		pastelpink
•	magenta	liver		alizarin
	orchid	darkraspberry		carminered
	pastelviolet	rosebonbon		pinksherbet
	palatinatepurple	brightpink		awesome
	plum(traditional)	rose		deepcarmine
	rosequartz	lavenderpink		mauvelous
	purpletaupe	brilliantrose		crimson
	lightfuchsiapink	pastelmagenta		radicalred
	palemagenta	thulianpink		brinkpink
	byzantium	oldmauve		pink
	byzantine	dogwoodrose		vividburgundy
	hotmagenta	cottoncandy		amaranth
	darkbyzantium	cerisepink		neonfuchsia
	purplepizzazz	carnationpink		cherryblossompink
	razzledazzlerose	maroon(x11)		wildwatermelon
	lavenderrose	richmaroon		bubblegum
	shockingpink	raspberry		${\tt mediumcandyapplered}$
	antiquefuchsia	frenchrose		lightpink
	skymagenta	ruby		tractorred
	taupegray	razzmatazz		cardinal
	fandango	debianred		salmonpink
	rosepink	nadeshikopink		ruddy
	fashionfuchsia	uared		palepink
	hollywoodcerise	raspberryrose		carmine
	operamauve	palered-violet		cadmiumred
	royalfuchsia	paleviolet-red		brickred
	mediumviolet-red	lavenderblush		rosegold
	red-violet	lightthulianpink		harvardcrimson
	halayaube	folly		darkterracotta
	classicrose	utahcrimson		rosewood
	mediumred-violet	mauvetaupe		ruddypink
	tyrianpurple	raspberryglace		lava
	mountbattenpink	richcarmine		candypink
	pinkpearl	blush		rosemadder
	persianrose	cerise		bazaar
	magenta(dye)	darkpink		sangria
	magenta(process)	ticklemepink		cordovan
	deeppink	darkscarlet		upsdellred
	fluorescentpink	crimsonglory		venetianred
	mulberry	burgundy		fireenginered

```
palechestnut bulgarianrose rosevale
oldrose red(pigment) jasper
deepcarminepink redwood
```

### 3 Acknowledgements

Thanks to Uwe Kern, author of xcolor, and Dave Doolin for providing latex-color.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 \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}
```

```
41 \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\}}
```

```
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}
```

```
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}
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 \ensuremath{\mbox{definecolor}\{\mbox{olivine}\}\{\mbox{rgb}\}\{\mbox{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 \ensuremath{\mbox{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{tenne(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$
```