kongdd / **rcolors**

270 colormaps in R

Edit

Manage topics

2 commits | 1 branch | 0 packages | 0 releases | 1 contributor | GPL-3.0

Branch: master | New pull request | Create new file | Upload files | Find file | Clone or download

kongdd add rcolors.pdf — Latest commit `2ad1bdf` 2 minutes ago

R	init repo	3 minutes ago
data-raw	init repo	3 minutes ago
data	init repo	3 minutes ago
images	init repo	3 minutes ago
man	init repo	3 minutes ago
test	init repo	3 minutes ago
.Rbuildignore	init repo	3 minutes ago
.gitignore	init repo	3 minutes ago
DESCRIPTION	init repo	3 minutes ago
LICENSE.md	init repo	3 minutes ago
NAMESPACE	init repo	3 minutes ago
README.md	init repo	3 minutes ago
appveyor.yml	init repo	3 minutes ago
rcolors.Rproj	init repo	3 minutes ago
rcolors.pdf	add rcolors.pdf	2 minutes ago
rcolors.png	init repo	3 minutes ago

README.md

rcolormap: ncl colormaps in R

build pending

Installation

```
devtools::install_github("kongdd/rcolors")
```

Example

This is a basic example which shows you how to solve a common problem:

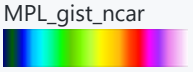
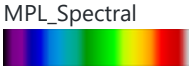
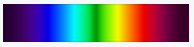
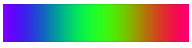
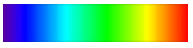
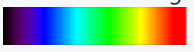
```
library(rcolors)
## basic example code
```

Color Table Gallery

about color tables | named colors

Rainbow	Small rainbow	Earth/Ocean	Oceanography	Aid in color blindness
MeteoSwiss	Blue/Red	Blue/Green	Red/Orange	Red/Green
Green/Yellow	Red/Purple	Blue/Purple	Green/Purple	Brown/Copper
Blue/Yellow/Red	Blue	Purple	Green	Gray
Banded	Faded	Circular	Miscellaneous	Vegetation
White-in-the-middle	Starts-with-white	GMT	GrADS	matplotlib
Ncview	SVG	ColorBrewer		

Rainbow

amwg256  **n=254**	**BkBlAqGrYeOrReViWh200**  **n=200**	**BlAqGrYeOrRe**  **n=100**	**BlAqGrYeOrReVi200**  **n=200**
BlGrYeOrReVi200  n=200	example  n=113	GMT_seis  n=256	GMT_wysiwygcont  n=200
matlab_hsv  n=64	matlab_jet  n=64	MPL_gist_ncar  n=128	MPL_gist_rainbow  n=128
MPL_hsv  n=128	MPL_jet  n=128	MPL_rainbow  n=128	MPL_Spectral  n=128
NCV_bright  n=256	NCV_jaisnd  n=256	NCV_jet  n=256	NCV_rainbow2  n=256
ncview_default  n=254	nice_gfdl  n=225	rainbow  n=188	rainbow+gray  n=237
rainbow+white  n=237	rainbow+white+gray  n=238	tbr_240-300  n=200	tbr_stdev_0-30  n=200
tbr_var_0-500  n=200	tbrAvg1  n=100	tbrStd1  n=101	tbrVar1  n=101
temp1  n=61	testcmap  n=199	ViBlGrWhYeOrRe  n=101	wh-bl-gr-ye-re  n=199
WhBlGrYeRe  n=100	WhiteBlueGreenYellowRed  n=254	WhViBlGrYeOrRe  n=101	WhViBlGrYeOrReWh  n=101

Small rainbow

amwg **n=16**	**BlAqGrWh2YeOrReVi22** **n=22**	**cosam** **n=10**	**cosam12** **n=12**
cyclic n=6	GHRSST_anomaly n=42	GMT_wysiwyg n=20	grads_rainbow n=13
gui_default n=22	prcp_1 n=17	prcp_2 n=12	prcp_3 n=23
radar n=15	radar_1 n=24	seaice_1 n=13	seaice_2 n=14
so4_21 n=21	so4_23 n=23	wgne15 n=15	

Earth/Ocean

cmocean_deep n=256	**cmp_haxby** n=64	**GMT_drywet** n=60	**GMT_globe** n=256
GMT_haxby n=32	GMT_nighttime n=20	GMT_ocean n=80	GMT_relief n=256
GMT_relief_oceanonly n=160	GMT_topo n=256	MPL_BrBG n=128	MPL_gist_earth n=128
MPL_ocean n=128	MPL_terrain n=128	NCV_gebco n=24	OceanLakeLandSnow n=254
topo_15lev n=16			

Oceanography

cmocean_algae n=256	**cmocean_amp** n=256	**cmocean_balance** n=256	**cmocean_curl** n=256
cmocean_deep n=256	cmocean_delta n=256	cmocean_dense n=256	cmocean_gray n=256
cmocean_haline n=256	cmocean_ice n=256	cmocean_matter n=256	cmocean_oxy n=256
cmocean_phase n=256	cmocean_solar n=256	cmocean_speed n=256	cmocean_tempo n=256
cmocean_thermal n=256	cmocean_turbid n=256		

Aid in color blindness

BlueDarkOrange18 n=18	**BlueDarkRed18** n=18	**BlueGreen14** n=14	**BrownBlue12** n=12
Cat12 n=12	cb_9step n=78	cb_rainbow n=241	cb_rainbow_inv n=241
CBR_coldhot n=11	CBR_drywet n=11	CBR_wet n=11	cividis n=256
GreenMagenta16 n=16	posneg_1 n=19	posneg_2 n=20	srip_reanalysis n=19
StepSeq25 n=25			

MeteoSwiss

hotcold_18lev n=19	**hotcolr_19lev** n=20	**mch_default** n=15	**perc2_9lev** n=10
percent_11lev n=12	precip2_15lev n=16	precip2_17lev n=18	precip3_16lev n=17

hotcold_18lev n=19	hotcolr_19lev n=20	mch_default n=15	perc2_9lev n=10
precip4_11lev n=12	precip4_diff_19lev n=20	precip_11lev n=12	precip_diff_12lev n=13
precip_diff_1lev n=2	rh_19lev n=20	spread_15lev n=16	sunshine_9lev n=10
sunshine_diff_12lev n=13	t2m_29lev n=30	temp_19lev n=20	temp_diff_18lev n=19
temp_diff_1lev n=2	topo_15lev n=16	wind_17lev n=18	

Blue/Red

BlRe n=96	BlueDarkRed18 n=18	BlueRed n=252	BlueRedGray n=253
BlWhRe n=101	CBR_coldhot n=11	cmocean_balance n=256	cmp_b2r n=64
GMT_polar n=20	GMT_split n=40	hotcold_18lev n=19	hotcolr_19lev n=20
hotres n=254	MPL_bwr n=128	MPL_coolwarm n=128	MPL_RdBu n=128
MPL_seismic n=128	NCV_blu_red n=256	NCV_blue_red n=256	posneg_1 n=19
posneg_2 n=20	temp_19lev n=20	temp_diff_18lev n=19	temp_diff_1lev n=2
WhBlReWh n=100			

Blue/Green

BlueGreen14 n=14	CBR_wet n=11	cmocean_deep n=256	cmocean_haline n=256
GMT_gebco n=70	GMT_ocean n=80	GMT_relief_oceanonly n=160	GSFC_landsat_udf_density n=11
MPL_BuGn n=128	MPL_GnBu n=128	MPL_ocean n=128	MPL_PuBuGn n=128
MPL_viridis n=256	MPL_winter n=128	MPL_YlGnBu n=128	

Red/Orange

cmocean_matter n=256	GMT_hot n=100	hotres n=254	matlab_hot n=64

cmocean_matter n=256	GMT_hot n=100	hotres n=254	matlab_hot n=64
MPL_afmhot n=128	MPL_autumn n=128	MPL_gist_heat n=128	MPL_hot n=128
MPL_Oranges n=128	MPL_OrRd n=128	MPL_Reds n=128	MPL_YlOrBr n=128
MPL_YlOrRd n=128	sunshine_9lev n=10	WhiteYellowOrangeRed n=254	

Red/Green

cmocean_curl n=256	drought_severity n=7	GMT_red2green n=20	helix1 n=254
MPL_RdYlGn n=128	SVG_fs2006 n=220		

Green/Yellow

cmocean_speed n=256	GreenYellow n=252	MPL_summer n=128	MPL_YlGn n=128

Red/Purple

cmocean_matter n=256	MPL_gnuplot n=128	MPL_PuRd n=128	MPL_RdPu n=128
sunshine_diff_12lev n=13			

Blue/Purple

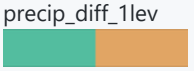
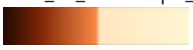
cmocean_dense n=256	GMT_cool n=10	MPL_cool n=128

Green/Purple

GreenMagenta16 n=16	MPL_PRGn n=128

Brown/Copper

BlueDarkOrange18 n=18	BrownBlue12 n=12	CBR_drywet n=11	cmocean_turbid n=256
GMT_copper n=50	MPL_BrBG n=128	MPL_copper n=128	MPL_pink n=128

BlueDarkOrange18  n=18	BrownBlue12  n=12	CBR_drywet  n=11	cmocean_turbid  n=256
MPL_s3pcpn  n=128	OceanLakeLandSnow  n=254	precip_diff_12lev  n=13	precip_diff_1lev  n=2
SVG_bhw3_22  n=220	SVG_es_landscape_79  n=220		

Blue/Yellow/Red

amwg_blueyellowred  n=16	BlueWhiteOrangeRed  n=254	BlueYellowRed  n=254	cmp_b2r  n=64
cmp_flux  n=22	GMT_jet  n=256	GMT_no_green  n=16	GMT_panoply  n=16
MPL_RdYlBu  n=128	ncl_default  n=254	nrl_sirkes  n=21	nrl_sirkes_nowhite  n=19
UKM_hadcrut  n=12			

Blue

cmocean_ice  n=256	MPL_Blues  n=128	MPL_PuBu  n=128	WhiteBlue  n=254

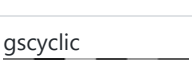
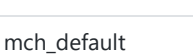
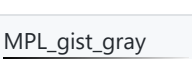
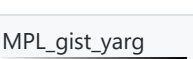
Purple

MPL_BuPu  n=128	MPL_Purples  n=128

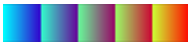
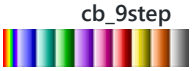
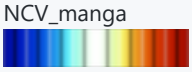
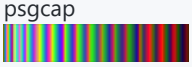
Green

cmocean_algae  n=256	cmocean_tempo  n=256	MPL_BuGn  n=128	MPL_Greens  n=128
WhiteGreen  n=254			

Gray

cmocean_gray  n=256	GMT_gray  n=10	GMT_relief_oceanonly  n=160	GrayWhiteGray  n=254
gscyclic  n=6	gsdtol  n=31	gsltod n=31	mch_default n=15
MPL_gist_gray n=128	MPL_gist_yarg n=128	MPL_Greys n=128	MPL_RdGy n=128
wxpEnIR n=100			

Banded

3gauss  n=254	3saw  n=254	cb_9step  n=78	detail  n=254
extrema  n=254	matlab_lines  n=64	MPL_StepSeq  n=128	NCV_banded  n=256
NCV_manga  n=256	NCV_roullet  n=256	psgcap  n=238	StepSeq25  n=25
SVG_Gallet13  n=220	SVG_Lindaa06  n=220	SVG_Lindaa07  n=220	uniform  n=173

Faded

CBR_set3  n=12	GMT_topo  n=256	MPL_Accent  n=128	MPL_Dark2  n=128
MPL_Paired  n=128	MPL_Pastel1  n=128	MPL_Pastel2  n=128	MPL_Set1  n=128
MPL_Set2  n=128	MPL_Set3  n=128	SVG_feb_sunrise  n=220	SVG_foggy_sunrise  n=220

Circular

circular_0  n=18	circular_1  n=12	circular_2  n=24	cmocean_phase  n=256
GrayWhiteGray  n=254	matlab_lines  n=64		

Miscellaneous

default  n=30	helix  n=254	hlu_default  n=30	lithology  n=213
thelix  n=254			

Vegetation

MPL_BrBG  n=128	NEO_div_vegetation_a n=256	NEO_div_vegetation_b n=256	NEO_div_vegetation_c n=256
NEO_modis_ndvi n=256	NOC_ndvi n=253	vegetation_ClarkU n=256	vegetation_modis n=21

White-in-the-middle

BlAqGrWh2YeOrReVi22 n=22	BlueDarkRed18 n=18	BlueWhiteOrangeRed n=254	BlWhRe n=101

BlAqGrWh2YeOrReVi22 n=22	**BlueDarkRed18** n=18	**BlueWhiteOrangeRed** n=254	**BlWhRe** n=101
CBR_coldhot n=11	CBR_drywet n=11	circular_0 n=18	cmocean_balance n=256
cmocean_curl n=256	cmp_flux n=22	GMT_polar n=20	GMT_red2green n=20
GrayWhiteGray n=254	GreenMagenta16 n=16	hotcold_18lev n=19	hotcolr_19lev n=20
MPL_BrBG n=128	MPL_bwr n=128	MPL_PiYG n=128	MPL_PRGn n=128
MPL_PuOr n=128	MPL_RdBu n=128	MPL_RdGy n=128	MPL_seismic n=128
NCV_blu_red n=256	NCV_blue_red n=256	NCV_jaisnd n=256	NCV_manga n=256
NCV_roullet n=256	NEO_div_vegetation_b n=256	NEO_div_vegetation_c n=256	nrl_sirkes n=21
precip4_diff_19lev n=20	precip_diff_12lev n=13	sunshine_diff_12lev n=13	temp_19lev n=20
temp_diff_18lev n=19	testcmap n=199	ViBlGrWhYeOrRe n=101	

Starts-with-white

CBR_wet n=11	**mch_default** n=15	**posneg_1** n=19	**posneg_2** n=20
prcp_1 n=17	prcp_3 n=23	precip2_15lev n=16	precip2_17lev n=18
precip3_16lev n=17	precip_11lev n=12	spread_15lev n=16	sunshine_9lev n=10
wh-bl-gr-ye-re n=199	WhBlGrYeRe n=100	WhBlReWh n=100	WhiteBlue n=254
WhiteBlueGreenYellowRed n=254	WhiteGreen n=254	WhiteYellowOrangeRed n=254	WhViBlGrYeOrRe n=101
WhViBlGrYeOrReWh n=101	wind_17lev n=18		

GMT

GMT_cool n=10	**GMT_copper** n=50	**GMT_drywet** n=60	**GMT_gebco** n=70
GMT_globe n=256	GMT_gray n=10	GMT_haxby n=32	GMT_hot n=100
GMT_jet n=256	GMT_nighttime n=20	GMT_no_green n=16	GMT_ocean n=80

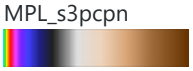
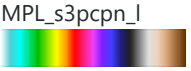
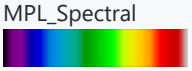
GMT_cool n=10	GMT_copper n=50	GMT_drywet n=60	GMT_gebco n=70
GMT_paired n=12	GMT_panoply n=16	GMT_polar n=20	GMT_red2green n=20
GMT_relief n=256	GMT_relief_oceanonly n=160	GMT_seis n=256	GMT_split n=40
GMT_topo n=256	GMT_wysiwyg n=20	GMT_wysiwygcont n=200	

GrADS

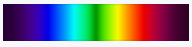
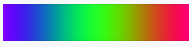
grads_default n=14	grads_rainbow n=13

matplotlib

MPL_Accent n=128	MPL_afmhot n=128	MPL_autumn n=128	MPL_Blues n=128
MPL_bone n=128	MPL_BrBG n=128	MPL_brg n=128	MPL_BuGn n=128
MPL_BuPu n=128	MPL_bwr n=128	MPL_cool n=128	MPL_coolwarm n=128
MPL_copper n=128	MPL_cubehelix n=128	MPL_Dark2 n=128	MPL_flag n=128
MPL_gist_earth n=128	MPL_gist_gray n=128	MPL_gist_heat n=128	MPL_gist_ncar n=128
MPL_gist_rainbow n=128	MPL_gist_stern n=128	MPL_gist_yarg n=128	MPL_GnBu n=128
MPL_gnuplot n=128	MPL_gnuplot2 n=128	MPL_Greens n=128	MPL_Greys n=128
MPL_hot n=128	MPL_hsv n=128	MPL_jet n=128	MPL_ocean n=128
MPL_Oranges n=128	MPL_OrRd n=128	MPL_Paired n=128	MPL_Pastel1 n=128
MPL_Pastel2 n=128	MPL_pink n=128	MPL_PiYG n=128	MPL_PRGn n=128
MPL_prism n=128	MPL_PuBu n=128	MPL_PuBuGn n=128	MPL_PuOr n=128
MPL_PuRd n=128	MPL_Purples n=128	MPL_rainbow n=128	MPL_RdBu n=128
MPL_RdGy n=128	MPL_RdPu n=128	MPL_RdYlBu n=128	MPL_RdYlGn n=128

MPL_Accent  n=128	MPL_afmhot  n=128	MPL_autumn  n=128	MPL_Blues  n=128
MPL_Reds  n=128	MPL_s3pcpn  n=128	MPL_s3pcpn_l  n=128	MPL_seismic  n=128
MPL_Set1  n=128	MPL_Set2  n=128	MPL_Set3  n=128	MPL_Spectral  n=128
MPL_spring  n=128	MPL_sstanom  n=128	MPL_StepSeq  n=128	MPL_summer  n=128
MPL_terrain  n=128	MPL_viridis  n=256	MPL_winter  n=128	MPL_YlGn  n=128
MPL_YlGnBu  n=128	MPL_YlOrBr  n=128	MPL_YlOrRd  n=128	

Ncview

NCV_banded  n=256	NCV_blu_red  n=256	NCV_blue_red  n=256	NCV_bright  n=256
NCV_gebco  n=24	NCV_jaisnd  n=256	NCV_jet  n=256	NCV_manga  n=256
NCV_rainbow2  n=256	NCV_roullet  n=256	ncview_default  n=254	

SVG

SVG_bhw3_22  n=220	SVG_es_landscape_79  n=220	SVG_feb_sunrise  n=220	SVG_foggy_sunrise  n=220
SVG_fs2006  n=220	SVG_Gallet13  n=220	SVG_Lindaa06 n=220	SVG_Lindaa07 n=220

ColorBrewer

CBR_coldhot n=11	CBR_drywet n=11	CBR_set3 n=12	CBR_wet n=11