

Appendix 1 – The 255 palettes at a glance

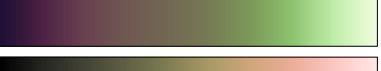
The palette names used in this appendix are standard, but most `oprim` implementations add the `pal` prefix.

Important.

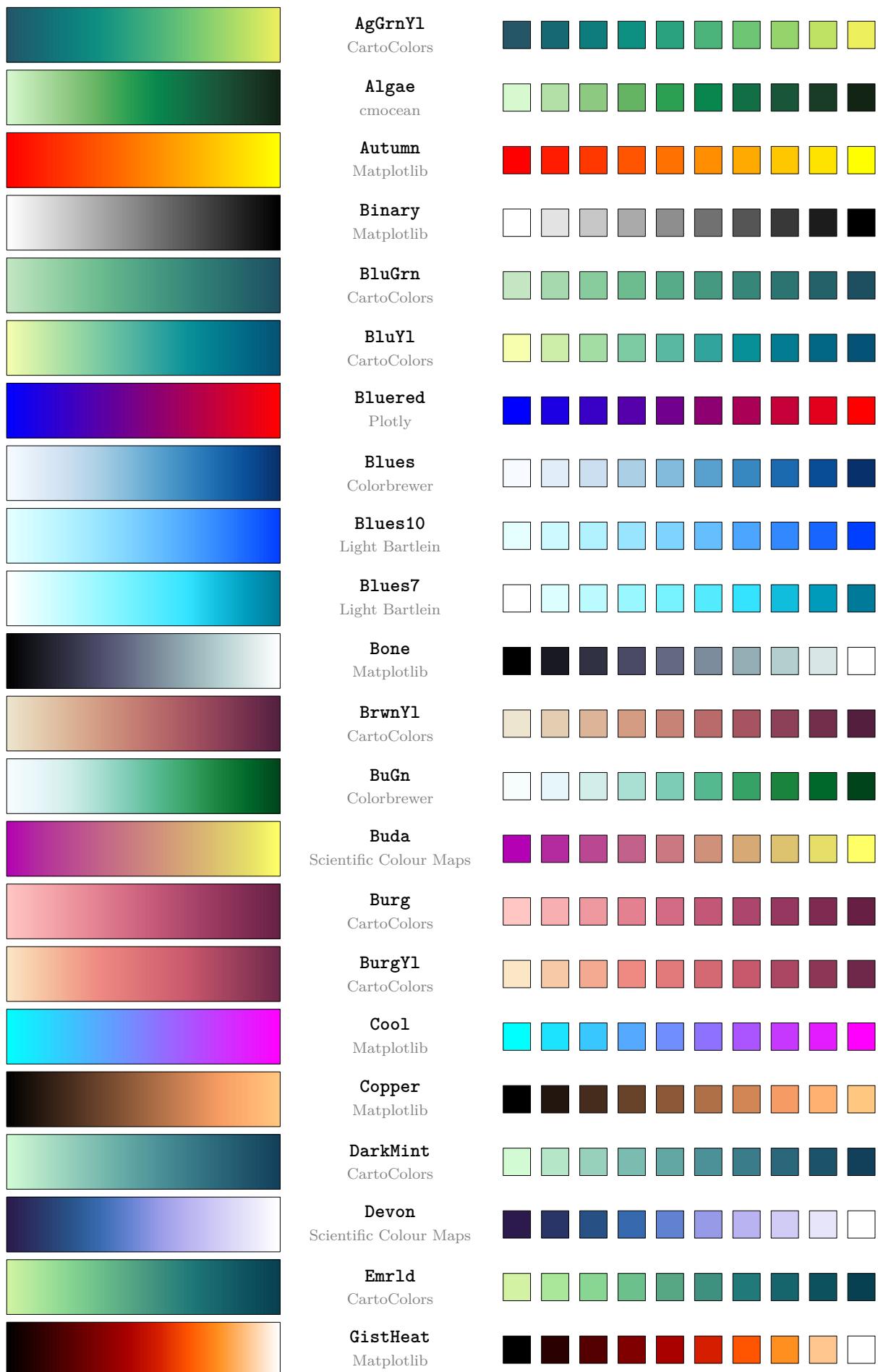
Categories were generated semi-automatically using a program, followed by manual selection to obtain relevant choices. If you identify any errors, please contact the author of `oprim`.

Colorblind-friendly palettes – 40 palettes

| | | |
|---|--|--|
|  | Acton Scientific Colour Maps |  |
|  | Bam Scientific Colour Maps |  |
|  | Bamako Scientific Colour Maps |  |
|  | Bam0 Scientific Colour Maps |  |
|  | Batlow Scientific Colour Maps |  |
|  | BatlowK Scientific Colour Maps |  |
|  | BatlowW Scientific Colour Maps |  |
|  | Berlin Scientific Colour Maps |  |
|  | Bilbao Scientific Colour Maps |  |
|  | Broc Scientific Colour Maps |  |
|  | Broc0 Scientific Colour Maps |  |
|  | Buda Scientific Colour Maps |  |
|  | Bukavu Scientific Colour Maps |  |
|  | Cork Scientific Colour Maps |  |
|  | Cork0 Scientific Colour Maps |  |
|  | Davos Scientific Colour Maps |  |
|  | Devon Scientific Colour Maps |  |
|  | Fes Scientific Colour Maps |  |

| | | |
|---|--|--|
|  | Glasgow Scientific Colour Maps |  |
|  | GrayC Scientific Colour Maps |  |
|  | Hawaii Scientific Colour Maps |  |
|  | Imola Scientific Colour Maps |  |
|  | Lajolla Scientific Colour Maps |  |
|  | Lapaz Scientific Colour Maps |  |
|  | Lipari Scientific Colour Maps |  |
|  | Lisbon Scientific Colour Maps |  |
|  | Managua Scientific Colour Maps |  |
|  | Navia Scientific Colour Maps |  |
|  | NaviaW Scientific Colour Maps |  |
|  | Nuuk Scientific Colour Maps |  |
|  | Oleron Scientific Colour Maps |  |
|  | Oslo Scientific Colour Maps |  |
|  | Roma Scientific Colour Maps |  |
|  | Roma0 Scientific Colour Maps |  |
|  | Tofino Scientific Colour Maps |  |
|  | Tokyo Scientific Colour Maps |  |
|  | Turku Scientific Colour Maps |  |
|  | Vanimo Scientific Colour Maps |  |
|  | Vik Scientific Colour Maps |  |
|  | Vik0 Scientific Colour Maps |  |

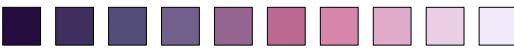
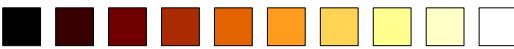
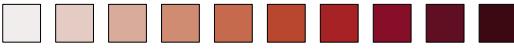
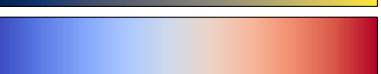
Two-color palettes – 51 palettes



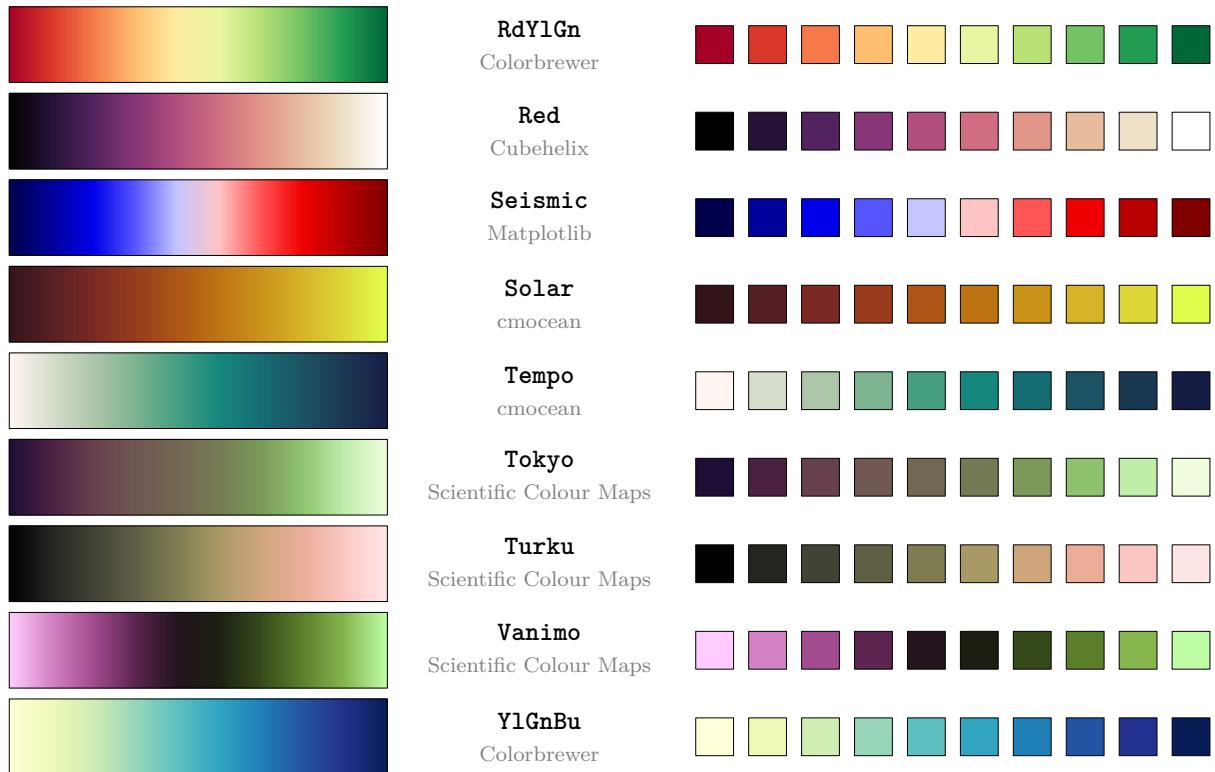




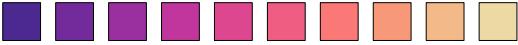
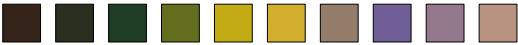
Three-color palettes – 54 palettes

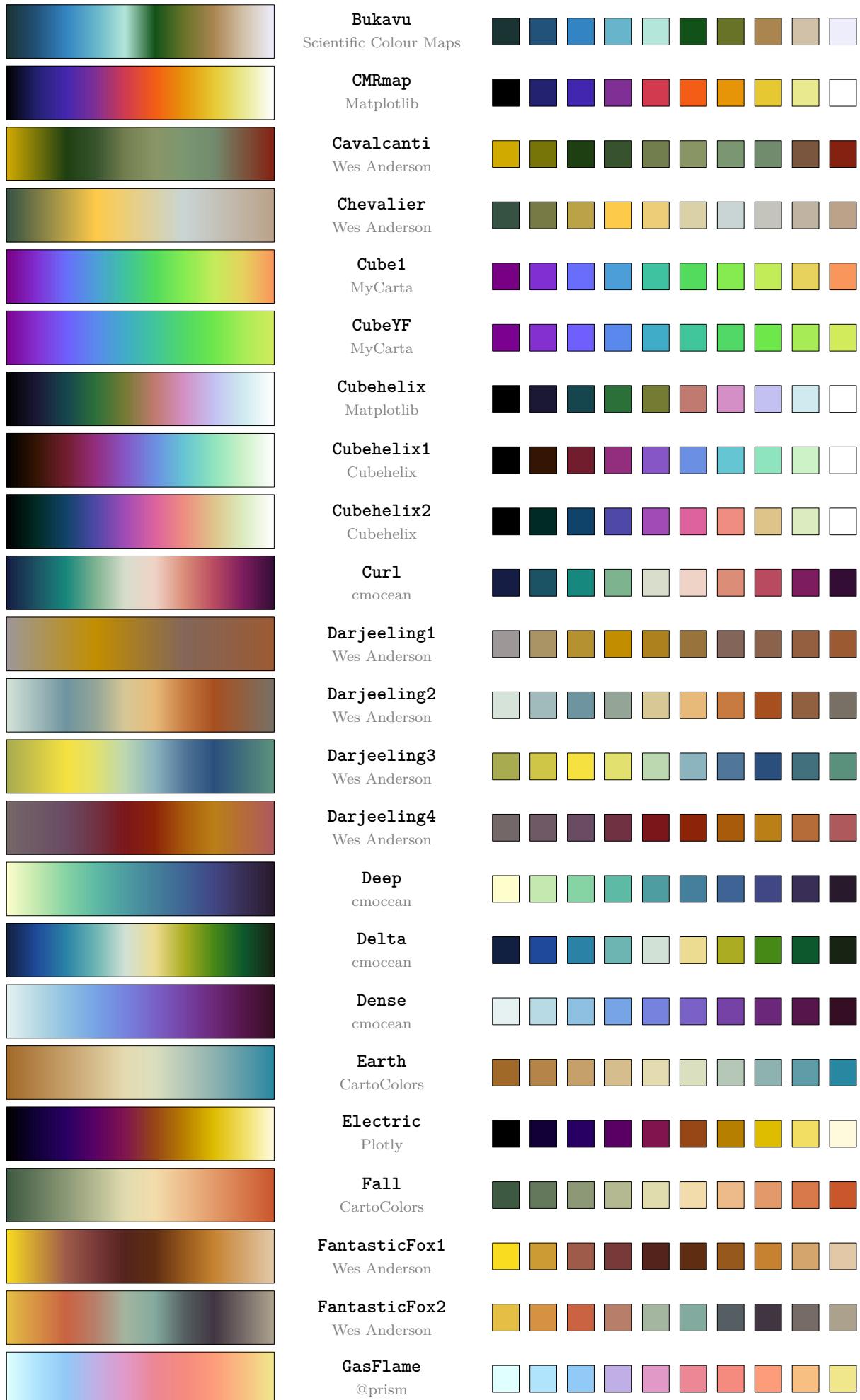
| | | |
|---|---|--|
|  | Acton Scientific Colour Maps |  |
|  | Afmhot Matplotlib |  |
|  | Amp cmocean |  |
|  | Bam Scientific Colour Maps |  |
|  | Bam0 Scientific Colour Maps |  |
|  | Bamako Scientific Colour Maps |  |
|  | Berlin Scientific Colour Maps |  |
|  | Bilbao Scientific Colour Maps |  |
|  | BlueGray Light Bartlein |  |
|  | BlueGreen Light Bartlein |  |
|  | BrBG Colorbrewer |  |
|  | Broc Scientific Colour Maps |  |
|  | Broc0 Scientific Colour Maps |  |
|  | BuPu Colorbrewer |  |
|  | BurningGrass @prism |  |
|  | Bwr Matplotlib |  |
|  | Cividis Matplotlib |  |
|  | Coolwarm Matplotlib |  |
|  | Cork Scientific Colour Maps |  |
|  | Cork0 Scientific Colour Maps |  |
|  | Cubehelix3 Cubehelix |  |
|  | Davos Scientific Colour Maps |  |



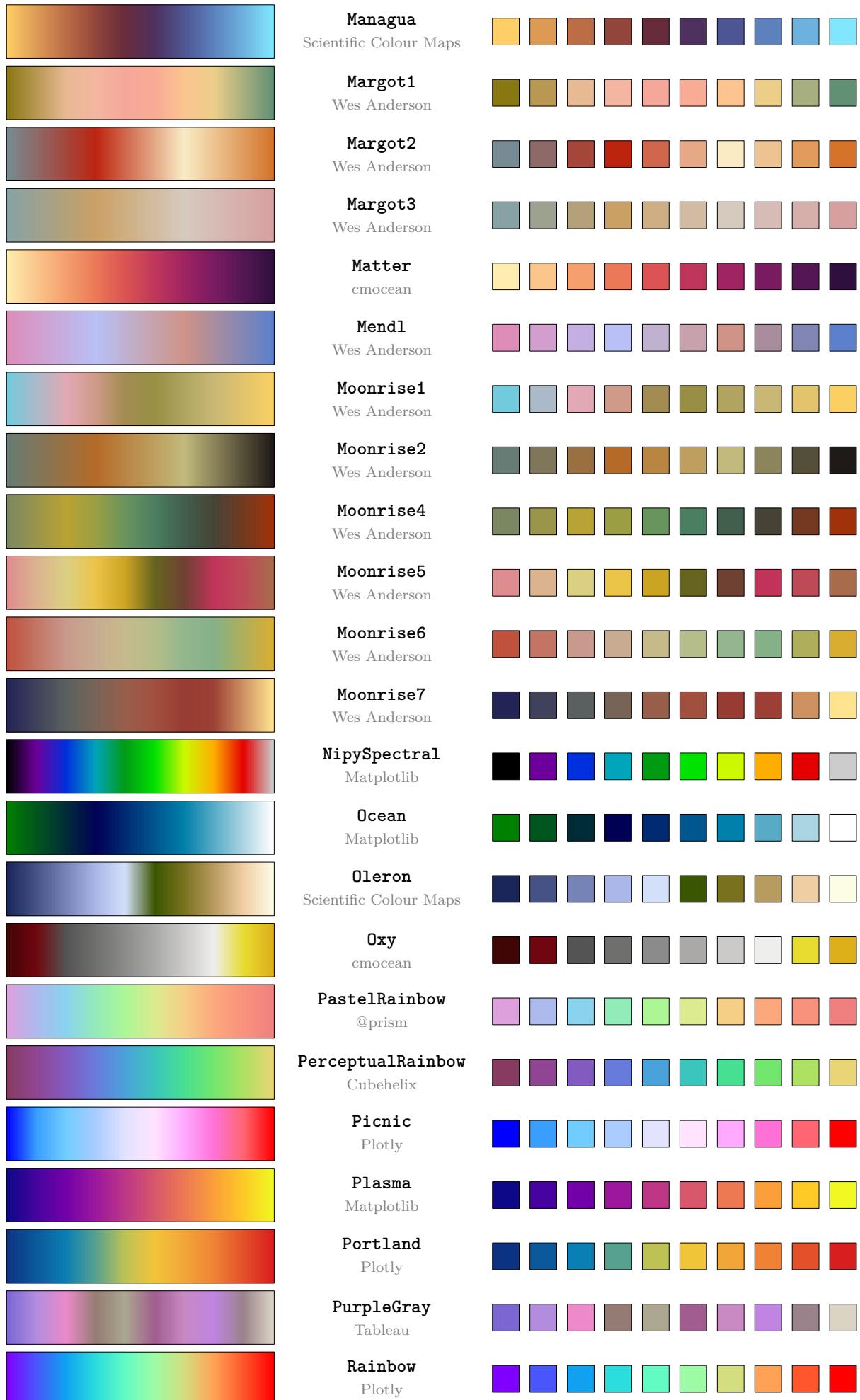


Rainbow-style palettes – 116 palettes

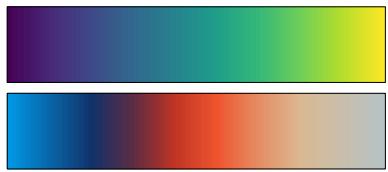
| | | |
|---|---|--|
|  | AgSunset CartoColors |  |
|  | Aquatic1 Wes Anderson |  |
|  | Aquatic2 Wes Anderson |  |
|  | Aquatic3 Wes Anderson |  |
|  | ArmyRose CartoColors |  |
|  | Batlow Scientific Colour Maps |  |
|  | BatlowK Scientific Colour Maps |  |
|  | BatlowW Scientific Colour Maps |  |
|  | Blackbody Plotly |  |
|  | BlindFish @prism |  |
|  | BlueDarkOrange12 Light Bartlein |  |
|  | BlueDarkOrange18 Light Bartlein |  |
|  | BlueDarkRed12 Light Bartlein |  |
|  | BlueDarkRed18 Light Bartlein |  |
|  | BlueOrange10 Light Bartlein |  |
|  | BlueOrange12 Light Bartlein |  |
|  | BlueOrange8 Light Bartlein |  |
|  | BlueOrangeRed Light Bartlein |  |
|  | BlueRed Tableau |  |
|  | Brg Matplotlib |  |
|  | BrownBlue10 Light Bartlein |  |
|  | BrownBlue12 Light Bartlein |  |



| | | |
|---|---|--|
|  | GeoRainbow @prism |  |
|  | Geyser CartoColors |  |
|  | GistEarth Matplotlib |  |
|  | GistNcar Matplotlib |  |
|  | GistRainbow Matplotlib |  |
|  | Gnuplot Matplotlib |  |
|  | Gnuplot2 Matplotlib |  |
|  | GrandBudapest3 Wes Anderson |  |
|  | GrandBudapest4 Wes Anderson |  |
|  | GrandBudapest5 Wes Anderson |  |
|  | GreenMagenta Light Bartlein |  |
|  | Haline cmocean |  |
|  | Hawaii Scientific Colour Maps |  |
|  | Hsv Matplotlib |  |
|  | Inferno Matplotlib |  |
|  | IsleOfDogs1 Wes Anderson |  |
|  | IsleOfDogs2 Wes Anderson |  |
|  | IsleOfDogs3 Wes Anderson |  |
|  | Jet Plotly |  |
|  | LinearL MyCarta |  |
|  | Lipari Scientific Colour Maps |  |
|  | Lisbon Scientific Colour Maps |  |
|  | Magma Matplotlib |  |



| | | |
|---|---|--|
|  | RedYellowBlue Light Bartlein |  |
|  | Roma Scientific Colour Maps |  |
|  | Roma0 Scientific Colour Maps |  |
|  | Royal1 Wes Anderson |  |
|  | Royal2 Wes Anderson |  |
|  | Royal3 Wes Anderson |  |
|  | ShiftRainbow @prism |  |
|  | Spectral Colorbrewer |  |
|  | Speed cmocean |  |
|  | Sunset CartoColors |  |
|  | SunsetDark CartoColors |  |
|  | TealRose CartoColors |  |
|  | Temps CartoColors |  |
|  | Terrain Matplotlib |  |
|  | Thermal cmocean |  |
|  | Tofino Scientific Colour Maps |  |
|  | Tropic CartoColors |  |
|  | Turbid cmocean |  |
|  | Turbo Matplotlib |  |
|  | Twilight Matplotlib |  |
|  | TwilightShifted Matplotlib |  |
|  | Vik Scientific Colour Maps |  |
|  | Vik0 Scientific Colour Maps |  |



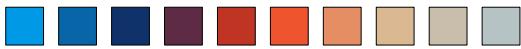
Viridis

Matplotlib

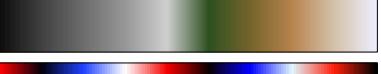


Zissou

Wes Anderson



High-contrast palettes – 34 palettes

| | | |
|---|--------------------------------------|--|
|  | Accent Colorbrewer |  |
|  | Alphabet Plotly |  |
|  | Antique CartoColors |  |
|  | Bold CartoColors |  |
|  | ColorBlind Tableau |  |
|  | Dark2 Colorbrewer |  |
|  | Dark24 Plotly |  |
|  | Fes Scientific Colour Maps |  |
|  | Flag Matplotlib |  |
|  | G10 Plotly |  |
|  | GistStern Matplotlib |  |
|  | GreenOrange Tableau |  |
|  | Light24 Plotly |  |
|  | Paired Colorbrewer |  |
|  | Pastel CartoColors |  |
|  | Pastel1 Colorbrewer |  |
|  | Pastel2 Colorbrewer |  |
|  | Phase cmocean |  |
|  | Plotly Plotly |  |
|  | Prism CartoColors |  |
|  | Safe CartoColors |  |
|  | Set1 Colorbrewer |  |

