

## Appendix 1 – The 258 palettes at a glance

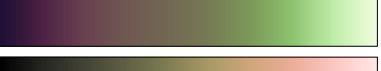
The palette names used in this appendix are standard, but most `Op prism` implementations add the `pal` prefix.

### Important.

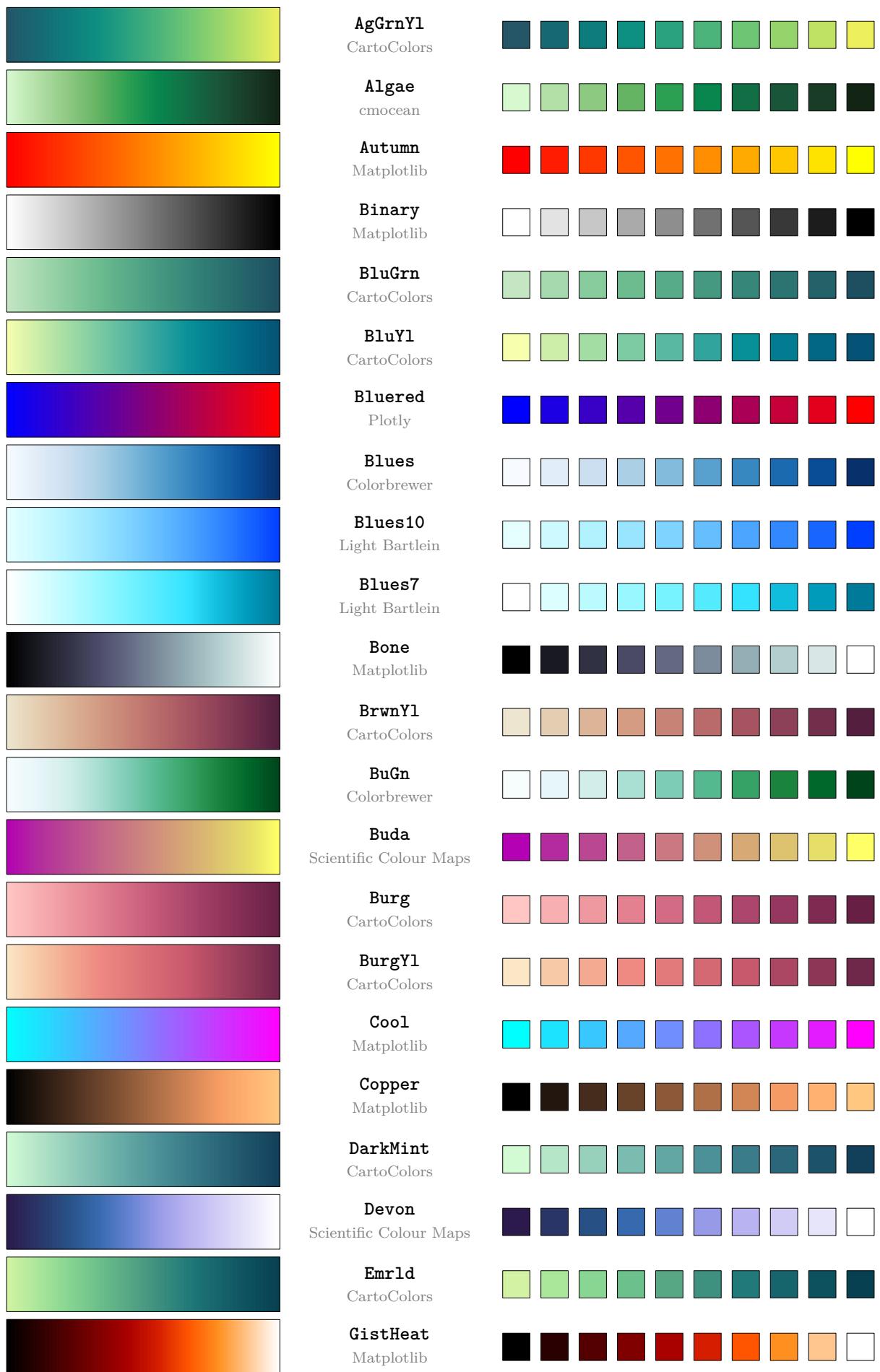
*Categories were generated semi-automatically using a program, followed by manual selection to obtain relevant choices. If you identify any errors, please contact the author of `Op prism`.*

### Colorblind-friendly palettes – 40 palettes

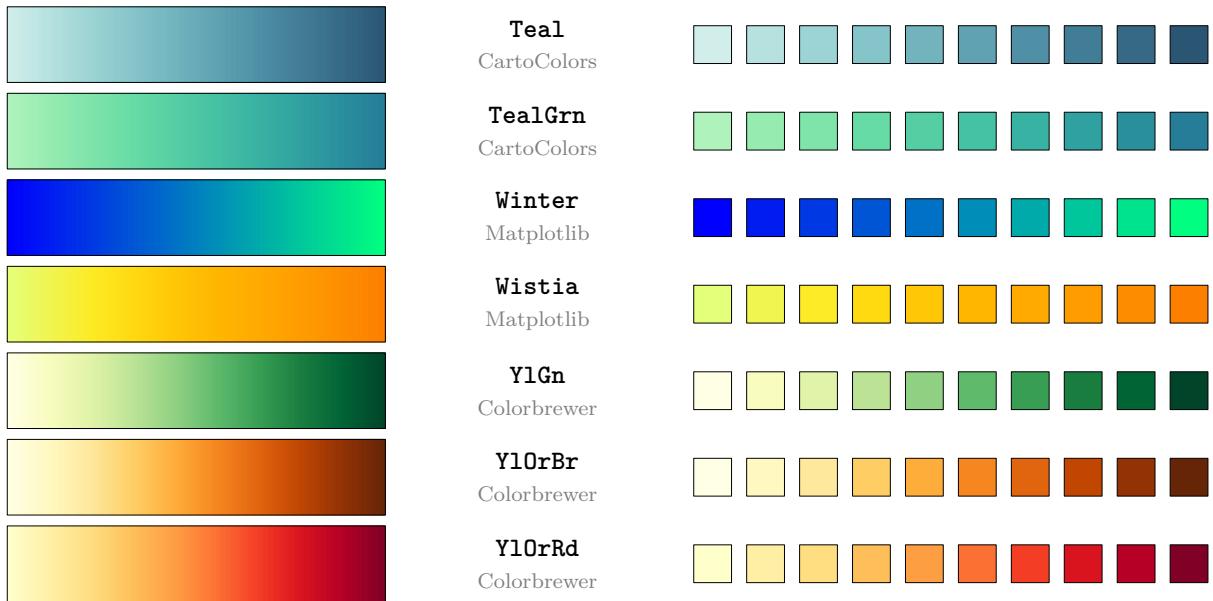
|   |  |  |
|---|--|--|
|    | <b>Acton</b><br>Scientific Colour Maps   |    |
|    | <b>Bam</b><br>Scientific Colour Maps     |    |
|    | <b>Bamako</b><br>Scientific Colour Maps  |    |
|    | <b>Bam0</b><br>Scientific Colour Maps    |    |
|    | <b>Batlow</b><br>Scientific Colour Maps  |    |
|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

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

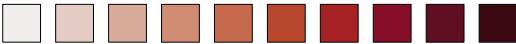
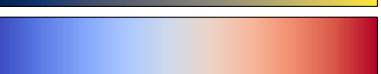
## Two-color palettes – 52 palettes



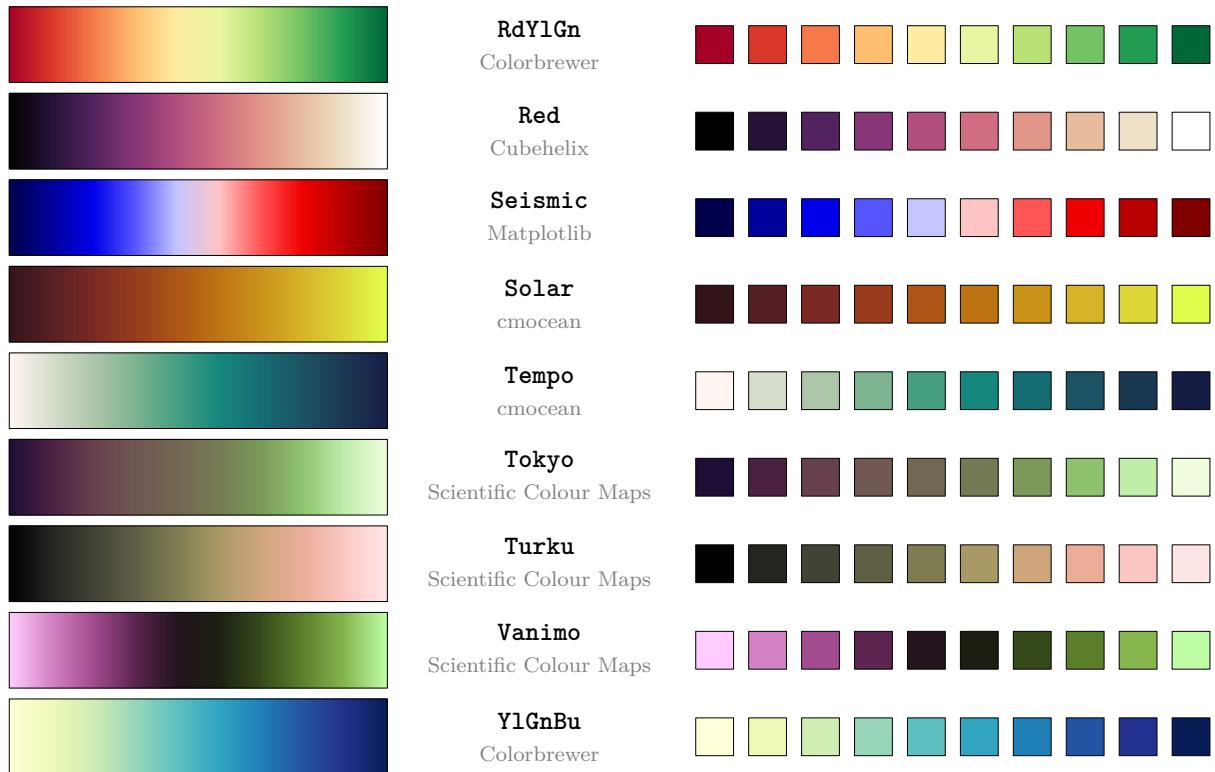




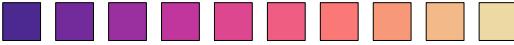
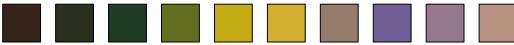
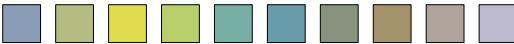
## Three-color palettes – 54 palettes

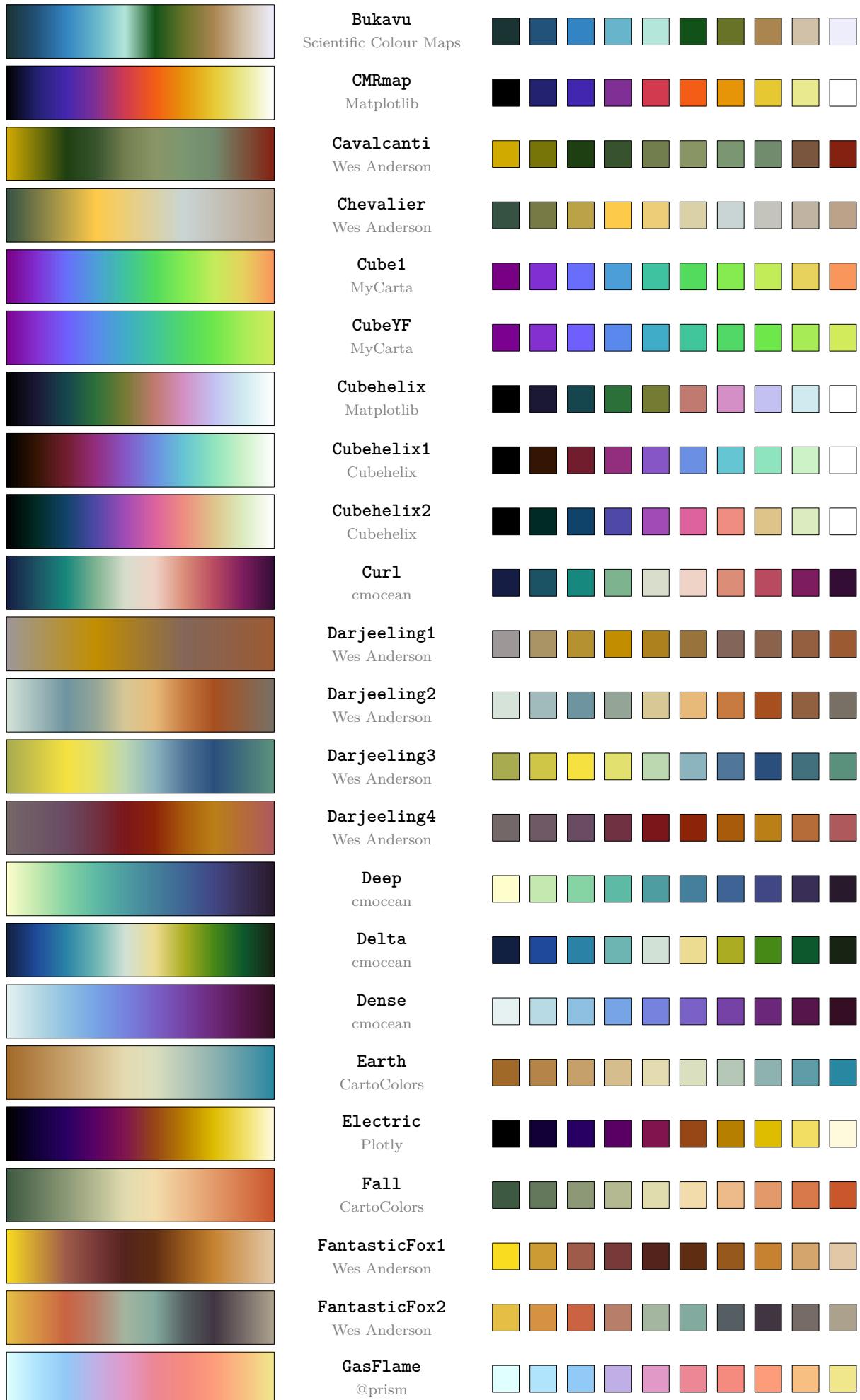
|   |   |  |
|---|---|--|
|    | <b>Acton</b><br>Scientific Colour Maps  |    |
|    | <b>Afmhot</b><br>Matplotlib             |    |
|    | <b>Amp</b><br>cmocean                   |    |
|    | <b>Bam</b><br>Scientific Colour Maps    |    |
|    | <b>Bam0</b><br>Scientific Colour Maps   |    |
|   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



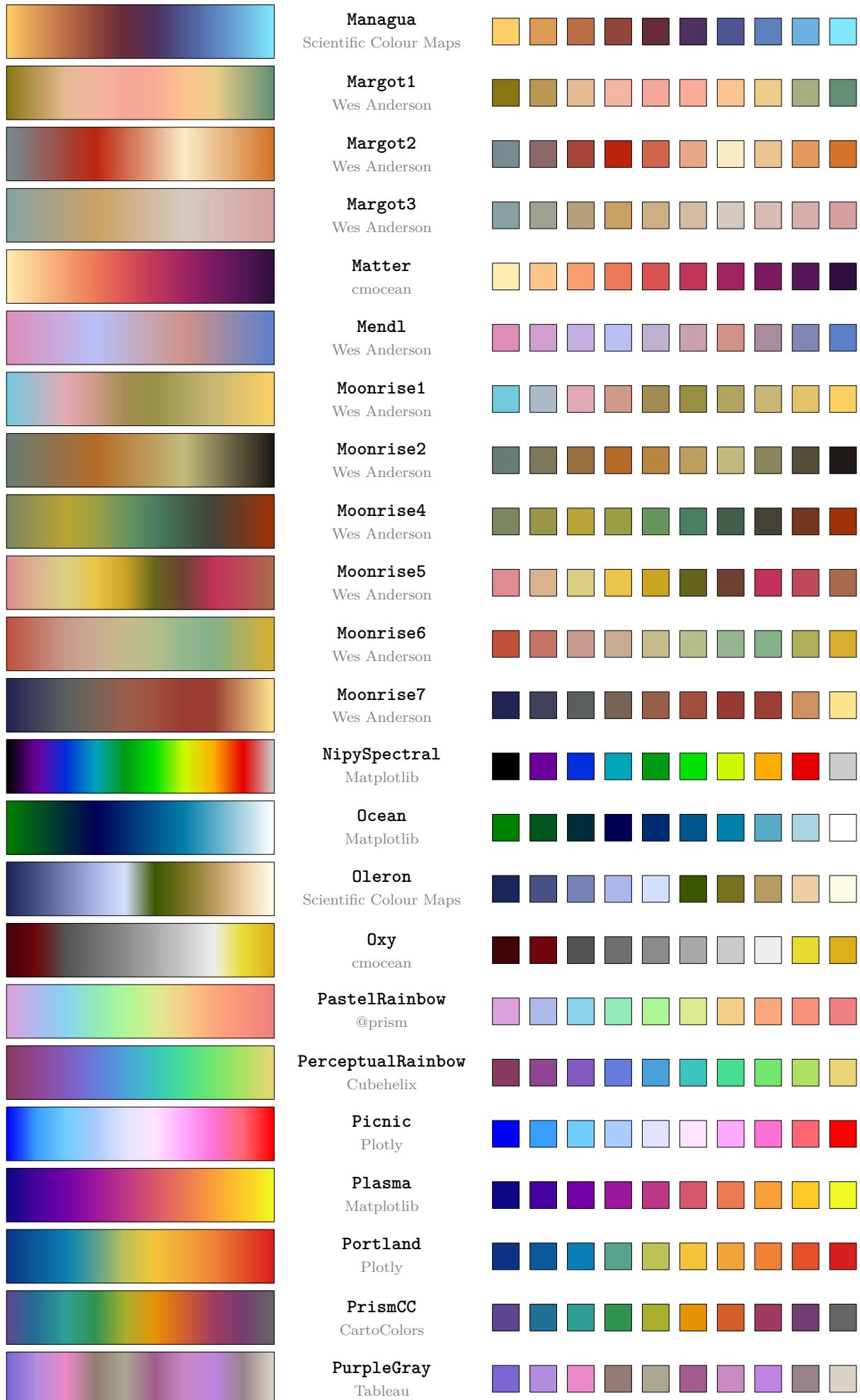


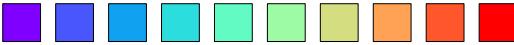
## Rainbow-style palettes – 118 palettes

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



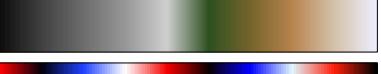
|   |   |  |
|---|---|--|
|    | <b>GeoRainbow</b><br>@prism             |    |
|    | <b>Geyser</b><br>CartoColors            |    |
|    | <b>GistEarth</b><br>Matplotlib          |    |
|    | <b>GistNcar</b><br>Matplotlib           |    |
|    | <b>GistRainbow</b><br>Matplotlib        |    |
|   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



|   |                 |                        |  |
|---|-----------------|------------------------|--|
|    | Rainbow         | Matplotlib             |    |
|    | RainbowP        | Plotly                 |    |
|    | RedYellowBlue   | Light Bartlein         |    |
|    | Roma            | Scientific Colour Maps |    |
|    | Roma0           | Scientific Colour Maps |    |
|    | Royall1         | 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             |  |



## High-contrast palettes – 34 palettes

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

