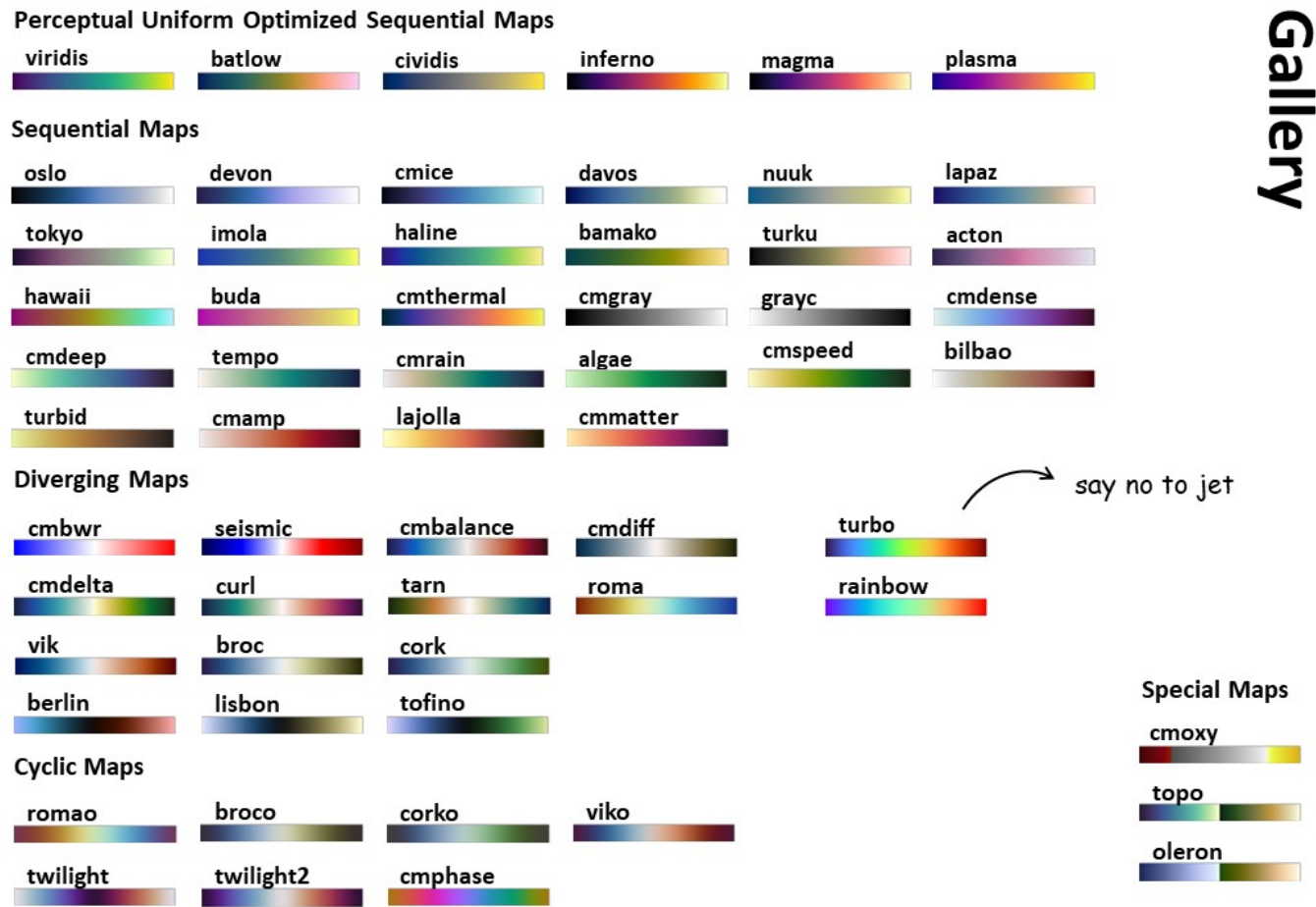
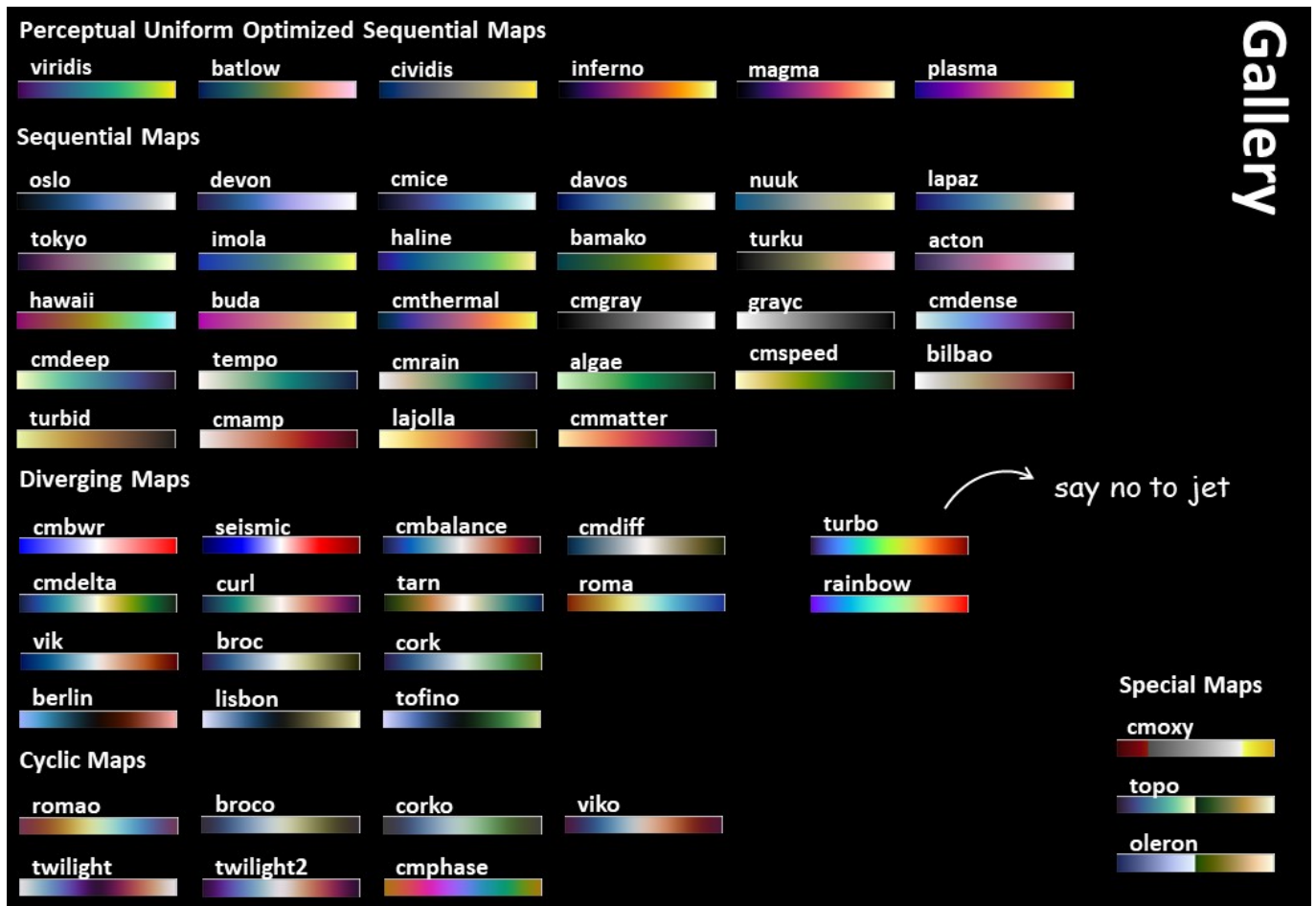


SciColorMaps

This is an enhanced MATLAB colormap package contains 60 colormaps optimized for scientific data visualization

Gallery





Perceptual Uniform Optimized Sequential Maps

viridis batlow cividis inferno magma plasma

Sequential Maps

oslo devon cmice davos nuuk lapaz

tokyo imola haline bamako turku acton

hawaii buda cmthermal cmgray grayc cmdense

cmdeep tempo cmrain algae cmspeed bilbao

turbid cmamp lajolla cmmatter

Diverging Maps

cmbwr seismic cmbalance cmdiff turbo

cmdelta curl tarn roma rainbow

vik broc cork

berlin lisbon tofino

Cyclic Maps

romao broco corko viko

twilight twilight2 cmphase

Special Maps

cmoxy

topo

oleron

say no to jet

Gallery

These colormaps are obtained from:

1. [Matplotlib](#)
2. [cmocean](#)
3. [Scientific Colour Map 6.0](#)

Contact Ruix. Li for any questions

How to use

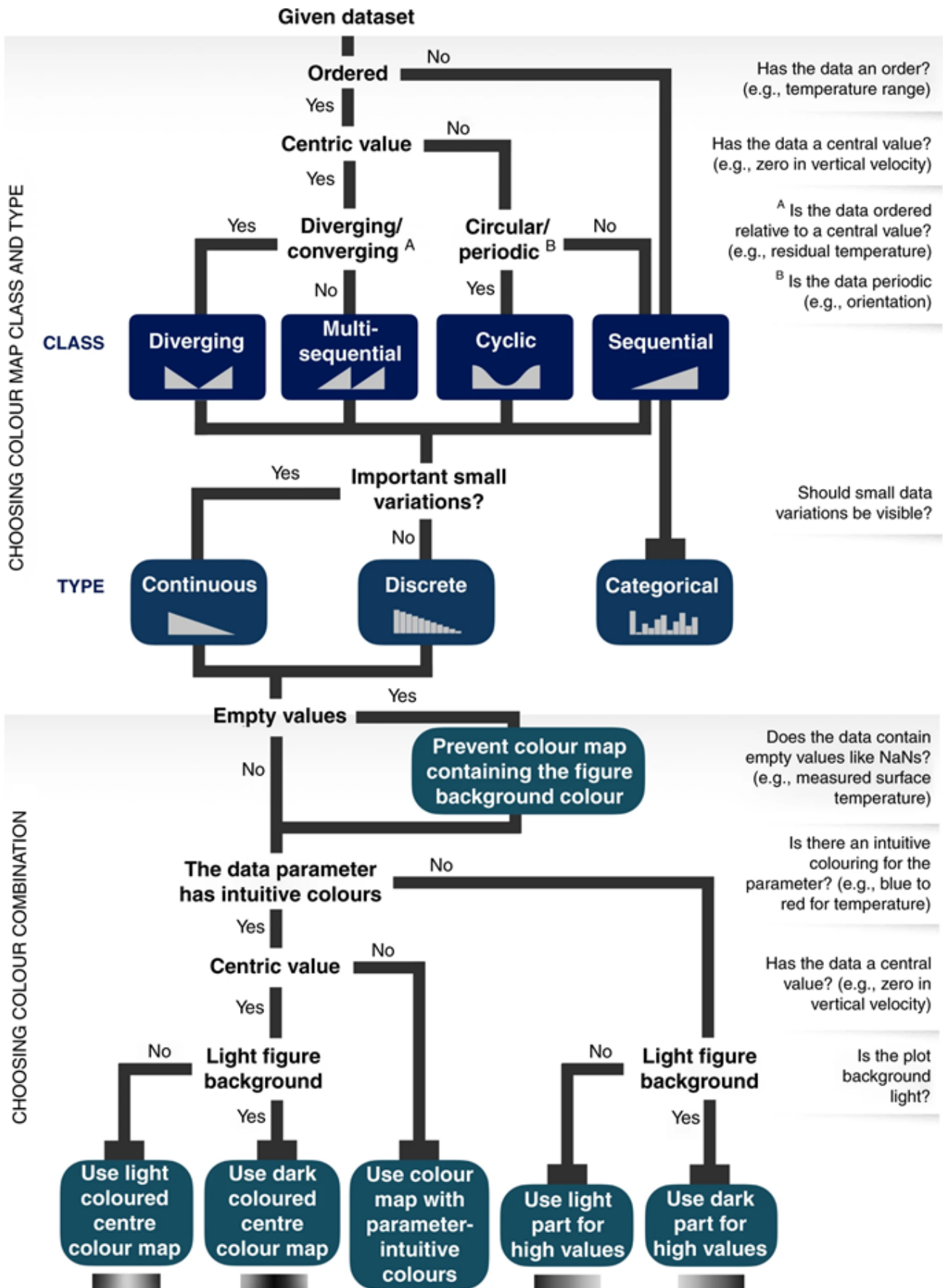
Add the folder to MATLAB path and call the name of each colormap exactly the same way as MATLAB built-in colormap, e.g.:

```
colormap(viridis)
```

```
colormap viridis
```

```
cm = viridis(128);
```

Guideline to choose the right color map



recommand to use the perceptual uniform optimized color maps for better visual accessibility

reference

Cramer, Fabio, Grace E. Shephard, and Philip J. Heron. "The misuse of colour in science communication." Nature communications 11.1 (2020): 1-10.