

Quarto Layout

Placing Colorbars

Colorbars indicate the quantitative extent of image data. Placing in a figure is non-trivial because room needs to be made for them. The simplest case is just attaching a colorbar to each axes:¹.

¹ See the [Matplotlib Gallery](#) to explore colorbars further

```
import matplotlib.pyplot as plt
import numpy as np

fig, axs = plt.subplots(2, 2)
fig.set_size_inches(20, 8)
cmaps = ['RdBu_r', 'viridis']
for col in range(2):
    for row in range(2):
        ax = axs[row, col]
        pcm = ax.pcolormesh(
            np.random.random((20, 20)) * (col + 1),
            cmap=cmaps[col]
        )
        fig.colorbar(pcm, ax=ax)
plt.show()
```

