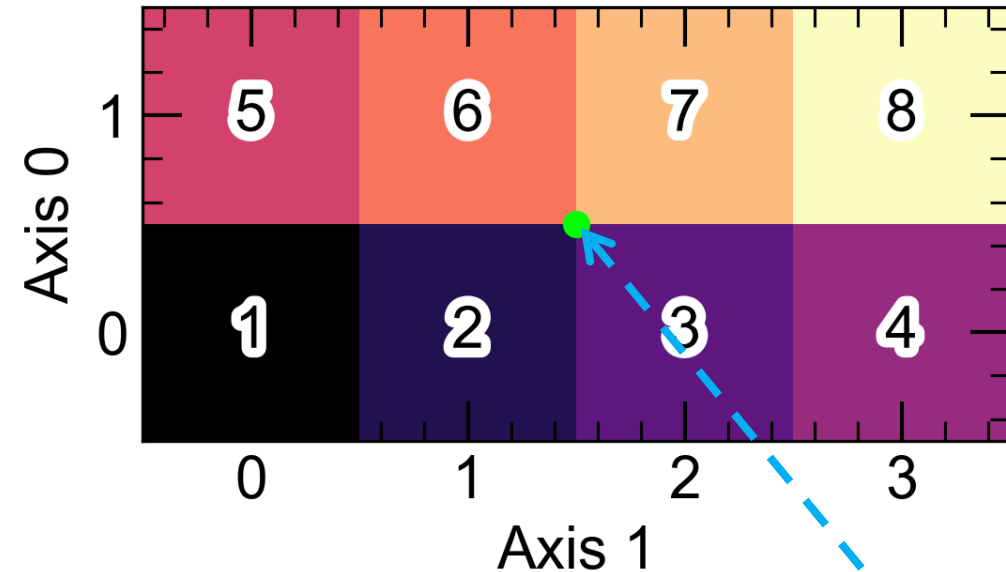


# Python



```
data = np.array([[1,2,3,4],  
                 [5,6,7,8]])  
plt.imshow(data, origin='lower')
```



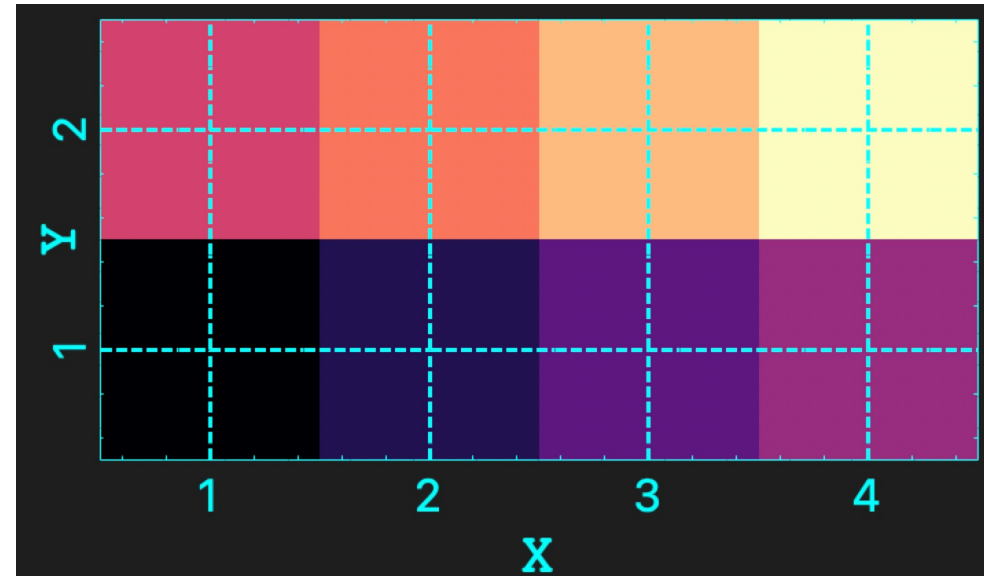
```
data.shape = (2, 4)  
data[1,3] = 8  
data.shape = (2, 4)
```

```
plt.scatter(1.5, 0.5)
```

# SAOImage DS9



```
NAXIS      = 2  
NAXIS1     = 4  
NAXIS2     = 2
```



DS9	X, Y
numpy	Y-1, X-1
matplotlib	X-1, Y-1