How to change the axis range

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Key

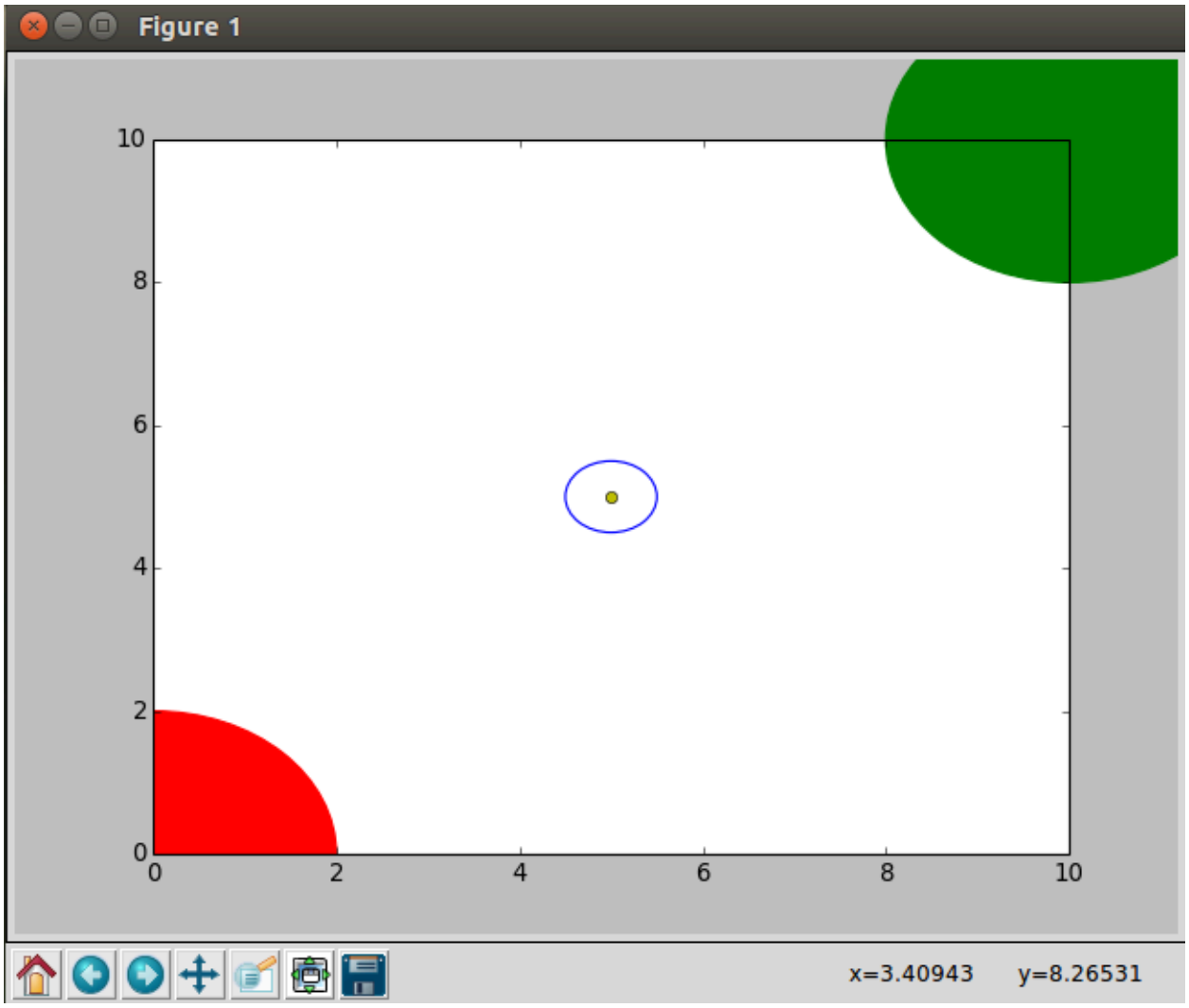
```
import matplotlib.pyplot as plt
circle2 = plt.Circle((5, 5), 0.5, color='blue', fill=False)
fig, ax = plt.subplots()
ax.set_xlim((0,10))
ax.add_artist(circle1)
plt.show()
```


Code (org)

```
import matplotlib.pyplot as plt

circle1 = plt.Circle((0, 0), 2, color='r')
circle2 = plt.Circle((5, 5), 0.5, color='blue', fill=False)
circle3 = plt.Circle((10, 10), 2, color='g', clip_on=False)

fig, ax = plt.subplots() # note we must use plt.subplots, not plt.subplot
# (or if you have an existing figure)
# fig = plt.gcf()
ax = fig.gca()
ax.cla()   # clean

# 修改 X, Y 軸的範圍: 從 0~ 1 到 0 ~ 10
ax.set_xlim((0,10))
ax.set_ylim((0,10))

# draw the center
ax.plot((5), (5), 'o', color='y')

ax.add_artist(circle1)
ax.add_artist(circle2)
ax.add_artist(circle3)

fig.savefig('plotcircles.png')
```

```
plt.show()
```

Result



Reference

- http://stackoverflow.com/questions/9215658/plot-a-circle-with-pyplot