

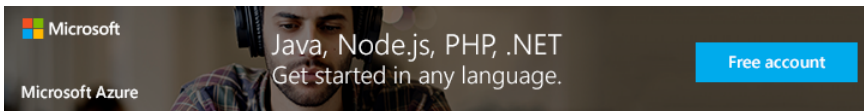
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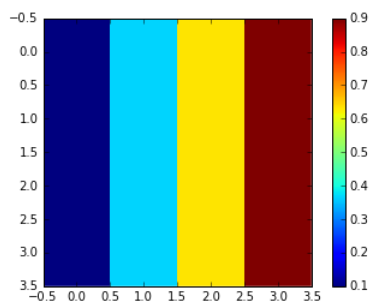
## adding ticks to matplotlib colorbar



In the following simple code:

```
dat = np.linspace(0.1,0.9,4)*np.ones((4,1))
fig, ax = plt.subplots()
cax = ax.imshow(dat, interpolation='none')
cbar = fig.colorbar(cax)
plt.show()
```

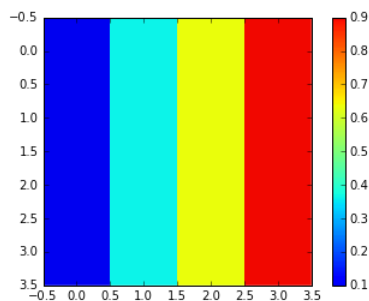
which gives:



I want the colorbar to have the range [0,1]. This can be accomplished by:

```
dat = np.linspace(0.1,0.9,4)*np.ones((4,1))
fig, ax = plt.subplots()
cax = ax.imshow(dat, interpolation='none')
cbar = fig.colorbar(cax)
cbar.set_clim(0, 1)
cbar.set_ticks(np.linspace(0,1,11))
plt.show()
```

which results in:



Clearly the range was changed as the colors have become lighter, but the ticks have not changed, i.e. `cbar.set_ticks()` doesn't perform as expected. How can i change the tick marks?

[python](#) [matplotlib](#) [colorbar](#)

asked Feb 27 '16 at 0:31