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Subject: colorbar

Posted by [shbhuk](#) on Wed, 23 Apr 2014 12:53:11 GMT

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I am trying to add a colorbar to the image generated by tvim and following is the code I am using.

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```
loadct,4,ncolors=100
```

```
grid=bytsc1(grid,0,1000)
```

```
tvim,grid
```

```
colorbar,ncolors=100
```

Though I get a colorbar on the image, the colorbar is empty and does not have the colorgradient.

On using cgcolorbar and tvim for the same, the colorbar obtained does not match with the color values in the image.

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Subject: Re: colorbar

Posted by [David Fanning](#) on Wed, 23 Apr 2014 13:52:22 GMT

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shbhuk@gmail.com writes:

> On using cgcolorbar and tvim for the same, the colorbar obtained does not match with the color values in the image.

Yes, because you scale your image into 255 values, but use only 100 colors in your color bar. If you want to match your image, the values in the image have to match the colors in the color bar.

```
cgloadct, 4, ncolors=100
grid = cgDemodata(18)
grid = bytsc1(grid, Top=99, Min=0, Max=100)
cgImage, grid, Position=[0.125, 0.1, 0.925, 0.8], /Axes
cgColorbar, ncolors=100, range=[0, 100]
```

Cheers,

David

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David Fanning, Ph.D.

Fanning Software Consulting, Inc.  
Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>  
Sepore ma de ni thue. ("Perhaps thou speakest truth.")

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