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Subject: Re: cgcolorbar problem in postscript  
Posted by [Phillip M. Bitzer](#) on Wed, 07 Nov 2012 16:22:52 GMT  
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Like David said, this is not a problem with the file or cgColorbar, but I don't think this is a "problem" exactly with Preview either - it seems to be an issue with aliasing. Consider the program below, which is similar to yours (note I don't load in a color bar, rather I specify the RGB palette). After producing the eps file, open it in Preview. You'll probably see the graduated colors, which I think is what you are reporting.

If you go to Preferences->PDF, and toggle the Check box for "Smooth text and line art", then you will see your discrete color bar reappear. The text won't look as nice, however. This is an issue with the default aliasing used by Preview - smoothing introduces the graduated colors you see.

For reference, here's what I see:

[https://www.dropbox.com/s/rvax832ot0t8l2b/colorbar\\_nosmooth.png](https://www.dropbox.com/s/rvax832ot0t8l2b/colorbar_nosmooth.png)

[https://www.dropbox.com/s/2b2k8jj1taifpk0/colorbar\\_smooth.png](https://www.dropbox.com/s/2b2k8jj1taifpk0/colorbar_smooth.png)

PRO pmbtest, Do\_Ps = do\_ps

```
colors = [ 'hot pink', 'indian red', 'dark green', 'green', $  
          'sky blue', 'cadet blue', 'grey', 'blue', 'purple', 'red']
```

```
n_color = N_ELEMENTS(colors)
```

```
do_ps = KEYWORD_SET(do_ps)
```

```
IF do_ps THEN BEGIN
```

```
  PS_START, filename='test.eps', /ENCAP, /NOMATCH, $
```

```
  XSIZE=6, YSIZE=2, /INCHES
```

```
ENDIF ELSE cgERASE, 'white'
```

```
rgb = cgCOLOR(colors, /TRIPLE)
```

```
;display the colorbar
```

```
cgCOLORBAR, /DISCRETE, NCOLORS=n_color, PALETTE = rgb, POSITION=[0.1,  
0.2, 0.9, 0.9]
```

```
IF do_ps THEN PS_END
```

```
END
```

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