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Subject: Re: Color question

Posted by [John-David T. Smith](#) on Wed, 04 Apr 2001 18:21:07 GMT

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David Fanning wrote:

```
>
> R. Kyle Justice (rkj@dukebar.crml.uab.edu) writes:
>
>> I guess there is a difference between a plot and an image
>> on a postscript device. Plots seem to use filled polygons
>> (which give pure colors) while images appear to use pixels
>> or dots.
<SNIP>
>> SET_PLOT, 'PS'
>> DEVICE, Bits_Per_Pixel=8, /Color
>> TEK_COLOR ; or create your own discrete colormap
>> bar=BYTARR(200,1000)
>> FOR i=0,999 DO bar(*,i)=i*9/1000
>> TV, bar, /Device
>> PLOT, INDGEN(10), Color=7, Charthick=3, Thick=5, /Noerase
>> DEVICE, /Close
```

The immediate solution is to use *\*only\** those colors as appear in contours in the color bar.

And no for loops are needed. You could write:

```
bar=LINDGEN(200,1000)/(200*100)
```

or dispense with the chicanery altogether and simply use:

```
bar=1b#bindgen(10)
TV, bar, 0,0,XSIZE=.5,YSIZE=4,/inches
```

Using the /inches (or /centimeters) keyword to TV for postscript output is highly advised.

I get the same pure yellow either way: #ffff00

JD

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