
Subject: Re: COLOR BAR

Posted by [landers](#) on Wed, 27 Jul 1994 12:43:54 GMT

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Victor Shvetsky writes:

|>
|> I was wondering if anyone has a routine for widgets that would plot a nice
|> color bar AND put some value on it. I can create a color bar, but I am not
|> able to put text on it NICELY, unless I use XYOUTS.
|> any suggestions would be greatly appreciated.
|>

You can use AXIS, something like this:

```
; first set up a plot space - make a null plot with no axes  
; you could add a Position keyword to put it somewhere special  
; Use /NoErase if you're adding the color bar to an existing plot
```

```
PLOT,[0,1],/NoData,XStyle=4,YStyle=4
```

```
; get the corners of the plot space (in device units)
```

```
px = !X.Window * !D.X_VSize  
py = !Y.Window * !D.Y_VSize
```

```
; get the widths of the plot space
```

```
swx = px(1) - px(0)  
swy = py(1) - py(0)
```

```
; Draw the color bar (colors run from index 0 at left to !D.N_Colors-1  
; at right)
```

```
TVSCL, FINDGEN(swx) # REPLICATE(1.,swy), px(0),py(0), /Device
```

```
; Now add an axis. You can use any of the XRange, XStyle, XTicks, etc.  
; keywords to make the axes what you like.  
; I usually like to make XTicklen a small negative number so the axis ticks  
; hang below the axis, rather than getting lost in the color bar
```

```
AXIS, XAxis=0., XRange=[0,10], XTicklen=-0.02  
      ^^^^^
```

Your range goes here.....

Luck
;Dave
