
Subject: Re: TWO DIFFERENT COLOR TABLES IN SAME WINDOW

Posted by [davidf](#) on Thu, 21 Sep 2000 07:00:00 GMT

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Mark C. (mychan@petro-canada.ca) writes:

> I have opened ONE window, plotted an image in the upper part of the window,
> and will like to plot a line graph in the lower portion of the same window.
>
> I have found directions on how to use different color tables in different
> windows which are displayed at the same time. Is there a way to use
> different color tables on two different plots (e.g. one image, the other a
> line graph) in the same window?

You better think about getting one of my books, Mark. :-)

Here is an example program that works the same way on 8-bit and 24-bit displays, with color decomposition turned on or off. You need GetColor and TVImage from my web page to run the code.

<http://www.dfanning.com/programs/getcolor.pro>

<http://www.dfanning.com/programs/tvimage.pro>

Cheers,

David

PRO Example

```
; Get example image data.
```

```
file = Filepath('worldelv.dat', SubDirectory=['examples','data'])
```

```
image = BytArr(360,360)
```

```
OpenR, lun, file, /Get_Lun
```

```
ReadU, lun, image
```

```
Free_Lun, lun
```

```
; Load drawing colors yellow, green, charcoal.
```

```
yellow = GetColor("yellow", !D.Table_Size-2)
```

```
green = GetColor("green", !D.Table_Size-3)
```

```
charcoal = GetColor("charcoal", !D.Table_Size-4)
```

```
; Load image colors.
```

```
LoadCT, 3, NColors=!D.Table_Size-4
```

; Display image histogram plot with image underneath.

!P.Multi = [0, 1, 2]

histoData = Histogram(image)
Plot, histoData, Color=green, Background=charcoal, \$
/NoData, Max_Value=5000
OPlot, histoData, Color=yellow

TVImage, BytScl(image, Top=!D.Table_Size-5)

; Clean up.

!P.Multi=0

END

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