
Subject: Re: Color table

Posted by [David Fanning](#) on Sun, 11 Nov 2012 01:38:44 GMT

[View Forum Message](#) <> [Reply to Message](#)

Gompie writes:

```
> I have a single variable spread over three years. I wish to give a
> different color to each year.
>
> But instead of color I get grey scale. I have the following script.
>
>
> cgLoadCT, 4, NCOLORS=3, CLIP=[16,240]
> bplate=fltarr(18)
> name=strarr(18)
> mont=fltarr(19)
> years=fltarr(19)
> ffiles = FILE_SEARCH('*txt1')
> for index=0,n_elements( ffiles)-1 do begin
>   year=(strsplit(ffiles(index),'._',/extract))[0]
>   month=(strsplit(ffiles(index),'._',/extract))[1]
>   name(index)=string(month)
>   years(index) = float(year)
>   OPENR, lun,  ffiles(index), /GET_LUN
>   temp=0.0D
>   i=0L
>   data=strarr(1)
>   print,ffiles(index)
>   WHILE ~ EOF(lun) DO BEGIN
>     readf,lun,data
>     temp=float(data) + temp
>     i=i+1
>     ;print,i,float(data),data
>   ENDWHILE
>   print,temp/i
>   bplate(index)=temp/i
>   mont(index)=index
>   close,lun
>   free_lun,lun
>   endfor
>
> colors = Scale_Vector(Findgen(3), 2009, 2011)
>
>   elevColors = Value_Locate(colors,years )
>   elevColors = StrTrim(Round(Scale_Vector(elevColors, 0, 10)),2)
>
> !X.TICKNAME=name
>
```

```
> cgplot,mont,bplate,psym=4,thick=2,xticks=17,yrange=[260,270]
,xtitle='MONTHS',ytitle='MIN_0_87_MICRON_DETECTOR_TEMP',BACK GROUND = 255,
COLOR = 0
> FOR j=0,n_elements(mont)-2 DO cgPlotS, mont[j], bplate[j], Color=elevColors[j],
Thick=2,psym=sym(5),symsize = 1.15
> fname="bplate.gif"
> result = cgSnapshot(FILENAME=fname,/gif ,/nodialog)
```

Uh, well, I think I would just do something like this:

```
elevColors = ['red', 'green', 'blue']
```

> Question .2 . Is it possible to view the exact colors Vs color number that are finally loaded by the color table.

Try CIndex:

```
IDL> cindex
```

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")
