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Subject: Re: scatter plot , intensity colors. Help

Posted by [David Fanning](#) on Fri, 15 Nov 2013 16:54:42 GMT

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Lim writes:

- > 1. Colors: I have updated my coyote library. Now I can see the colors. Thanks.
- >
- > 2. Colorbar: To be honest I do not have a clear idea about how to include the color bar with the colors matching those I used in the intensity. I will appreciate any suggestions.

I would probably do it like this:

```
;-----
X=[2, 4, 5, 6, 7, 8]
Y=[20, 40, 45, 30, 10, 5]
I=[100,200,300,400,500,600]

;intensity color
colors = cgScaleVector(Findgen(N_Elements(I)), Min(I), Max(I))
clr = Value_Locate(colors, I)
clr = Byte(Round(cgScaleVector(clr, 0, 255)))
TVLCT, r, g, b, /Get
TVLCT, r[clr], g[clr], b[clr], 1
TVLCT, r, g, b, /Get

cgWindow, 'TVLCT', r, g, b

;the scatterplot
cgPlot, X, Y, /Nodata, /AddCMD, Position=[0.125, 0.125, 0.9, 0.8]
FOR j=0,N_Elements(X)-2 DO cgPlotS, [X[j], X[j+1]], [Y[j], Y[j+1]], $
    Color=clr[j+1], Psym=16,symsize=2,/AddCMD
FOR j=0,N_Elements(pNPP)-1,2 DO cgPlotS, X[j], Y[j], $
    Color=clr[j+1], Psym=16,symsize=2,/AddCMD

cgDCBar, NColors=N_Elements(clr), Bottom=1, /AddCmd
END
-----
```

Cheers,

David

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David Fanning, Ph.D.  
Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>  
Sepore ma de ni thue. ("Perhaps thou speakest truth.")

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