
Subject: Re: scatter plot , intensity colors. Help
Posted by [limiqt](#) on Fri, 15 Nov 2013 16:46:22 GMT
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On Friday, November 15, 2013 8:06:17 AM UTC-5, Lim wrote:

```
> Dear all,  
>  
>  
>  
> I need to do a scatterplot with colored symbols representing the intensity. I am adapting an  
example I found at http://www.idlcoyote.com/gallery/colored\_line\_plot.pro I am doing the following:  
>  
>  
>  
> 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)))  
>  
>  
>  
> cgLoadCT, 33  
>  
> cgWindow  
>  
>  
>  
> ;the scatterplot  
>  
> cgPlot, X, Y, /Nodata, /AddCMD  
>  
> FOR j=0,N_Elements(X)-2 DO cgPlotS, [X[j], X[j+1]], [Y[j], Y[j+1]], $  
>  
>     Color=clr[j], Psym=16,symsize=2,/AddCMD  
>  
> FOR j=0,N_Elements(pNPP)-1,2 DO cgPlotS, X[j], Y[j], $  
>
```

> Color=clr[j], Psym=16,symsize=2, /AddCMD
>
>
>
>
>
>
> However the output produces a gray scale image.
>
> 1. What am I doing wrong?
>
> 2. How can I add a color bar associated with the intensity (I)?
>
>
>
> I will appreciate any assistance.
>
>
>
> Cheers,
>
>
>
> Lim

Hi David,
I just saw you the solution to my problem:

http://www.idlcoyote.com/color_tips/colorbar.html

Thank you very much
Lim
