
Subject: Re: scatter plot , intensity colors. Help
Posted by [David Fanning](#) on Fri, 15 Nov 2013 14:25:59 GMT
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Lim writes:

```
>
> 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?
```

My guess would be using an outdated Coyote Library. There is no gray scale coloring when I run your example. I follow these steps to resolve these kinds of issues:

http://www.idlcoyote.com/code_tips/fixcoyoteprogram.php

```
> 2. How can I add a color bar associated with the intensity (I)?
```

I think I would use cgColorbar. Did this *not* work for some reason?

Cheers,

David

--

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

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