
Subject: Re: How to make the figure change automatically while I selected a new color table?

Posted by [David Fanning](#) on Fri, 27 Jun 2008 03:21:37 GMT

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duxiyu@gmail.com writes:

> I have a problem about using the color table.
>
> For example,
>
> device, decomposed=0
> loadct, 0
> tvsc1, dist(256)
> xloadct
>
> While I changing the color table in the dialog box 'XLoadct', I hope
> the color of the figure can change automatically.
> Some files said that when IDL run in the pseudocolor mode (8-bit
> mode), the figure can change automatically.
> But my system is Windows, I have search in the help and do not find
> how to change the the visual moed to pseudocolor.
> The keyword 'PSEUDO_COLOR' can only be used in 'X-window' system.

Here is how to do this on a 24-bit display. This comes from the header information in XCOLORS:

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

Write a small routine line this:

```
PRO REFRESH_IMAGE, Image=image, _Extra=extra, WID=wid
  IF N_Elements(wid) NE 0 THEN WSet, wid
  TVIMAGE, image, _Extra=extra
END
```

Invoke the routine like this:

```
IDL> Window, /Free
IDL> TVImage, image, Position=[0.2, 0.2, 0.8, 0.8]
IDL> XColors, NotifyPro='Refresh_Image', Image=image, WID=!D.Window
```

Now, when you can the color table, the image will be automatically updated in the window.

There are similar, if slightly less flexible, mechanisms available for XLOADCT.

Cheers,

David

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

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