
Subject: Re: problem with color graph with idl 5.0 Win95 version

Posted by [Liam Gumley](#) on Tue, 02 Feb 1999 08:00:00 GMT

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vincent wrote:

> I need to make a graph which contains more different plots inside. I
> have used the commands plot and oplot with the keywords Color but i have
> no what i want. The result is indeed the graph i need but every line is
> showed in a grey level rather than in a color way.

Give this a go:

;---cut here---

PRO COLORS, START = START

```
;+
; Purpose:
;   Load the sixteen McIDAS graphics colors into the current color
table.
;
; Usage:
;   COLORS
;
; Input:
;   None
;
; Output:
;   None
;
; Optional Keywords:
;   START Start index in the color table where the McIDAS graphics
;         colors will be loaded (default = 0).
;
; Notes:
;   The color table assignments are as follows
;   0 => black
;   1 => magenta
;   2 => cyan
;   3 => yellow
;   4 => green
;   5 => red
;   6 => blue
;   7 => white
;   8 => navy
;   9 => gold
;   10 => pink
;   11 => aquamarine
;   12 => orchid
```

```
; 13 => gray
; 14 => sky
; 15 => beige
;
; Example:
; colors
; xyouts, 0, 0, 'Magenta', /device, color=1
; xyouts, 0, 100, 'Red', /device, color=5
; xyouts, 0, 200, 'Green', /device, color=4
; xyouts, 0, 300, 'Blue', /device, color=6
;
; Author:
;   Liam.Gumley@ssec.wisc.edu
;-
```

;- Check keywords

if n_elements(start) ne 1 then start = 0

;- Load McIDAS graphics colors

```
r = [0,255,0,255,0,255,0,255,0,255,255,112,219,127,0,255]
g = [0,0,255,255,255,0,0,255,0,187,127,219,112,127,163,171]
b = [0,255,255,0,0,0,255,255,115,0,127,147,219,127,255,127]
tv!ct, r, g, b, start
```

END

;---cut here---

Note: If you want Postscript output, don't forget to do the following:

```
SET_PLOT, 'PS'
DEVICE, /COLOR, BITS=8, ...
```

Cheers,
Liam.

Liam E. Gumley
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<http://cimss.ssec.wisc.edu/~gumley>

Subject: Re: problem with color graph with idl 5.0 Win95 version
Posted by [davidf](#) on Tue, 02 Feb 1999 08:00:00 GMT

Vincent (corona@ba.infn.it) writes:

> thanks for your reply, but i have to use more colors than 3 !
> Maybe, should i define other vectors as "a,b,c", i.e. one for every
> color i need ?

You can load as many colors as you need, or you can load any one of the 41 color tables that comes with IDL. If you load color tables (XLOADCT or LOADCT, for example), you may want to know what color is associated with which index. The program CINDEX from my anonymous ftp site is useful for this purpose:

`ftp://ftp.dfanning.com/pub/dfanning/outgoing/misc/cindex.pro`

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting

Phone: 970-221-0438 E-Mail: davidf@dfanning.com

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

Toll-Free IDL Book Orders: 1-888-461-0155

[Note: This follow-up was e-mailed to the cited author.]

Subject: Re: problem with color graph with idl 5.0 Win95 version

Posted by [vincent](#) on Tue, 02 Feb 1999 08:00:00 GMT

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David Fanning wrote:

>
> Vincent (corona@ba.infn.it) writes:
>
>> hi ;) i'm a newbie of this very interesting language.
>> I use the 5.0 version of IDL for Windows95, and i have this problem.
>>
>> I need to make a graph which contains more different plots inside. I
>> have used the commands plot and oplot with the keywords Color but i have
>> no what i want. The result is indeed the graph i need but every line is
>> showed in a grey level rather than in a color way.
>> Here is a little prg i have written for testing the graphic capabilities
>> of IDL.
>>

```
>> Could someone help and show me where i make mistakes ?
>
> You need to create some colors to draw with and then
> load them. If you don't, IDL's default color table is
> always grayscale. Something along these lines:
>
> ; Load red, green, and yellow colors starting at index 200.
> ; Read the color triples vertically.
>
> r = [255, 0, 255]
> g = [ 0, 255, 255]
> b = [ 0, 0, 0]
> TVLCT, r, g, b, 200
>
> ; Draw plots in colors.
>
> Plot, data, Color=200
> Oplot, moredata, Color=201
> Oplot, stillmoredata, Color=202
```

thanks for your reply, but i have to use more colors than 3 !
Maybe, should i define other vectors as "a,b,c", i.e. one for every
color i need ?

```
>
> There are quite a few articles about using color in IDL on
> my web page in the Programming Tips section:
>
> http://www.dfanning.com/documents/tips.html
>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting
> Phone: 970-221-0438 E-Mail: davidf@dfanning.com
> Coyote's Guide to IDL Programming: http://www.dfanning.com/
> Toll-Free IDL Book Orders: 1-888-461-0155
```

regards

Vince

p.s.: congratulations for your great web page ;)

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Plot, data, Color=200  
Oplot, moredata, Color=201  
Oplot, stillmoredata, Color=202
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<http://www.dfanning.com/documents/tips.html>

Cheers,

David

--

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