

---

Subject: simple, yet eluding...different color lines in a plot

Posted by [T Bowers](#) on Fri, 18 Sep 1998 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

how do i oplot so that different data get assigned different colors, eg.

```
plot,x,a
;a should be red curve
oplot,x,b
;b should be green curve
oplot,x,c
;c should be blue curve
```

thanks

---

---

Subject: Re: simple, yet eluding...different color lines in a plot

Posted by [Vap User](#) on Sat, 19 Sep 1998 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

"T Bowers" <[tbowers@nrlssc.navy.mil](mailto:tbowers@nrlssc.navy.mil)> writes:

Assuming you are running with a 8 bit system and that you have at least 5 color slots available.

```
Tv!ct, [ 0, 255,0,0,255], [0, 0,255,0,255], [0, 0,0,255,255], 0
```

```
plot,x,a, color=1
oplot,x,b, color=2
oplot,x,c, color=3
```

See Dave Fannings Website for how to do it in 24 bits. (<http://www.dfanning.com>)  
I don't mess with 24 bits myself.

whd

```
>
> how do i oplot so that different data get assigned different colors, eg.
>
> plot,x,a
> ;a should be red curve
> oplot,x,b
> ;b should be green curve
> oplot,x,c
> ;c should be blue curve
>
> thanks
>
>
```

--

I don't speak for JPL, it doesn't speak for me.

Well, not all the time, at least.

William Daffer <vapuser@haifung.jpl.nasa.gov>

---

Subject: Re: simple, yet eluding...different color lines in a plot

Posted by [T Bowers](#) on Thu, 24 Sep 1998 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

hmmmm... doesn't work.

plot,x,a, color=1 ;gives me a red line

oplot,x,b, color=2 ;= black line

oplot,x,b, color=3 ; = black line

strange, i seem to ONLY get red or black colors if i try  
to specify a color. i tried tek\_color 1st and the docs say:

The TEK\_COLOR procedure loads a 32-color colortable similar to the default  
Tektronix 4115 colortable. This colortable is useful because of its distinct  
colors.

By default, this palette consists of 32 colors. The first 9 colors are:

Index 0=black, 1=white, 2=red, 3=green, 4=blue, 5=cyan, 6=magenta, 8=orange.

if I :

TEK\_COLOR

plot,x,a, color=0

oplot, x,b,color=1

oplot, x,c,color=2

oplot, x,d,color=3

oplot, x,e,color=4

oplot, x,f

IDL plots a black, b red, c red, d black, and e black., f, with no color  
designation, is white.

certainly not the black, white, red, green, blue that tek\_color is supposed  
to plot. seems like I only get red or black, no matter what my color index  
is.

this is *\*really\** confusing me.

what's causing this??

if i go to the demo dir and run an idl sample with colors, it runs fine.

then

i run mine and again i get black, red, and white only. this is driving me  
nuts!

thaks,  
todd

Vap User wrote in message <88u324gdbw.fsf@haifung.jpl.nasa.gov>...

> "T Bowers" <tbowers@nrlssc.navy.mil> writes:

>

> Assuming you are running with a 8 bit system and that you have at  
> least 5 color slots available.

>

> Tv!ct, [ 0, 255,0,0,255], [0, 0,255,0,255], [0, 0,0,255,255], 0

> plot,x,a, color=1

> oplot,x,b, color=2

> oplot,x,c, color=3

>

> See Dave Fannings Website for how to do it in 24 bits.

(<http://www.dfanning.com>)

> I don't mess with 24 bits myself.

>

> whd

>

>>

>> how do i oplot so that different data get assigned different colors, eg.

>>

>> plot,x,a

>> ;a should be red curve

>> oplot,x,b

>> ;b should be green curve

>> oplot,x,c

>> ;c should be blue curve

>>

>> thanks

>>

>>

>

> --

> I don't speak for JPL, it doesn't speak for me.

> Well, not all the time, at least.

> William Daffer <vapuser@haifung.jpl.nasa.gov>

---

Subject: Re: simple, yet eluding...different color lines in a plot

Posted by [davidf](#) on Thu, 24 Sep 1998 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

T Bowers (tbowers@nrlssc.navy.mil) writes:

> hmmm... doesn't work.

> plot,x,a, color=1 ;gives me a red line  
> oplot,x,b, color=2 ;= black line  
> oplot,x,b, color=3 ; = black line  
>  
> strange, i seem to ONLY get red or black colors if i try  
> to specify a color. i tried tek\_color 1st and the docs say:

Todd, you have something *\*seriously\** wrong with your IDL session. I suspect you have Netscape running. :-)

You are just plain out of colors. Try this:

- (1) Open an IDL session.
- (2) Type: Window
- (3) Now type: Print, !D.N\_Colors

You should have *\*at least\** 150 or so. If you don't, try closing all the other applications you have running before you start IDL. Same thing? Then I suspect something has gone wrong in one of your startup files.

- (4) Do steps 1 and 2, then type:

Help, /Device

What kind of visual class to you have? How many colors?  
We definitely need more clues to get this puppy hunting. :-)

All else fails, try this:

- (1) Open an IDL session.
- (2) Type: Window, Colors=240
- (3) Now type: Print, !D.N\_Colors
- (4) Now type: Help, /Device

Do you have a private color table? Yes? But you have 240 colors, no? Can you live with color flashing? :-)

Cheers,

David

-----  
David Fanning, Ph.D.  
Fanning Software Consulting  
E-Mail: davidf@dfanning.com  
Phone: 970-221-0438, Toll-Free Book Orders: 1-888-461-0155  
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

---

---

Subject: Re: simple, yet eluding...different color lines in a plot

Posted by [davidf](#) on Sun, 27 Sep 1998 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Phillip & Suzanne David (pdavid@earthling.net) writes:

> It appears to me that you are running in 16 or 24 bit color. When in this  
> mode, colors come up as shades of red rather than the proper shades unless  
> you've properly set the decomposed option. I don't recall the exact setting,  
> but that might help.

Yes. As it happens Todd was running a new version of IDL  
(IDL 5.1) in a 24-bit Windows environment. A simple:

Device, Decomposed=0

sorted him out.

I've added yet more articles on my web page to alert users  
to this potential problem. :-)

Cheers,

David

-----  
David Fanning, Ph.D.

Fanning Software Consulting

E-Mail: [davidf@dfanning.com](mailto:davidf@dfanning.com)

Phone: 970-221-0438, Toll-Free Book Orders: 1-888-461-0155

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

---

---

Subject: Re: simple, yet eluding...different color lines in a plot

Posted by [Phillip & Suzanne](#) on Sun, 27 Sep 1998 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

It appears to me that you are running in 16 or 24 bit color. When in this  
mode, colors come up as shades of red rather than the proper shades unless  
you've properly set the decomposed option. I don't recall the exact setting,  
but that might help.

Phillip David

T Bowers wrote:

> hmmm... doesn't work.  
> plot,x,a, color=1 ;gives me a red line

> oplot,x,b, color=2 ;= black line  
> oplot,x,b, color=3 ; = black line

> strange, i seem to ONLY get red or black colors if i try  
> to specify a color. i tried tek\_color 1st and the docs say:

---