
Subject: Re: Color tables in idl5.5

Posted by [David Fanning](#) on Fri, 30 Nov 2001 04:40:49 GMT

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Alan Barnett (asb@localhost.localdomain) writes:

> I am unable to display pseudo-color images correctly running idl 5.5.
> I run the following code:

There is a color table bug in IDL 5.5 for Linux. See this article for additional information:

http://www.dfanning.com/idl5_info/colorbug.html

Cheers,

David

--

David W. Fanning, Ph.D.

Fanning Software Consulting

Phone: 970-221-0438, E-mail: david@dfanning.com

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

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Subject: Re: Color tables in idl5.5

Posted by [Nigel Wade](#) on Fri, 30 Nov 2001 10:01:32 GMT

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Alan Barnett wrote:

>
> I run idl on a LINUX box that supports 24 bit color. The image should
> consist of vertical bands of color, greys from black to white on the
> left, blue, green, yellow and red on the right with several narrow
> bands of various colors and a broad band of black in between. The
> colors are correct when run under idl 5.3, although I do get the error
> message
>
> % Unsupported X Windows visual (class: PseudoColor, depth: 8).
> Substituting default (class: TrueColor, Depth: 24).
>

The reason you get this error is that your graphics card, in common with the vast majority, is only capable of providing a single visual class at any one time. With your current visual set to 24 bits, the card is incapable of providing you with the requested 8 bit visual.

If you are getting the correct colours with the 24 bit visual, can't you just remove the request for the 8 bit visual to get rid of the error message?

--

Nigel Wade, System Administrator, Space Plasma Physics Group,
University of Leicester, Leicester, LE1 7RH, UK
E-mail : nmw@ion.le.ac.uk
Phone : +44 (0)116 2523568, Fax : +44 (0)116 2523555

Subject: Re: Color tables in idl5.5
Posted by [Alan Barnett](#) on Fri, 30 Nov 2001 13:26:46 GMT
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Thank you for your help.
I tried the fix suggested by David Fanning:
window,/pixmap&wdelete
device,bypass_translation=0
This permitted me to plot greyscale images correctly, but I still cannot load color tables to display a pseudo-color image.

On closer inspection, I see that the problem with my color tables is that there is no blue. I tried using 24 bit true color, and I discovered that I cannot display the blue channel. This seems to be the source of the problem. Does anyone else have this problem?

--

Alan Barnett
2500 Jennings Rd
Silver Spring, MD 20902
301 949 2297
