
Subject: Re: color table question

Posted by [R.Bauer](#) on Sat, 16 Mar 2002 20:19:52 GMT

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

Rob Dimeo wrote:

>
> Hi,
>
> I suspect that this question will have a very simple answer (hoping,
> anyway).
>
> I want to display an image using color table 6 but this color table
> does not have white in it. Next I want to display a white crosshairs
> on top of the image. The way that I do this is not ideal because I am
> loading the black-white color table after displaying the color image
> in the window but before I draw the crosshairs (see test code below).
> The reason that this is not ideal is that, in my application, I am
> really moving this crosshairs around the screen as the cursor moves
> over the image. Motion events are being generated resulting in many
> calls to loadct, slowing down the whole works.
>
> I guess what I am really asking for is a persistent way to specify the
> color of something as white (for instance) when a particular color
> table has been loaded. I suspect that I can replace one of the color
> table entries with [255,255,255] for instance? I just am not sure how
> to do this.
>
> Any help you can give is greatly appreciated!
>
> Best regards,
>
> Rob

Dear Rob,

we have defined some colortabels in the way that the first 20 colors
are always the same e.g. for plot

The colors from 21 to 255 are used by contour.

With c_color you can set up the colors for the levels.

http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_source/idl_html/dbase/download/ct_ncdf.tar.gz
http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_source/idl_html/dbase/download/ct_blue_green_yellow_red.t

ct_ncdf,c

ct_blue_green_yellow_red

The red_green_blue we don't have but you can design it yourself with this tool

http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_source/idl_html/dbase/download/x_def_colortable.tar.gz

regards

Reimar

```
pro test_color
ct_ncdf,c
ct_blue_green_yellow_red
```

```
;loadct,6,/silent
window,xsize = 225,ysize = 225,/free & winVis = !d.window
window,/free,/pixmap,xsize = 225,ysize = 225 & winPix = !d.window
image = smooth(byte(255*randomn(s,225,225,/uniform)),5,/edge_truncate)
wset,winPix
tv,image
wset,winVis
device,copy = [0,0,!d.x_size,!d.y_size,0,0,winPix]

plots,[0,225],[112,112],linestyle = 0,/device,color=c.white
plots,[112,112],[0,255],linestyle = 0,/device,color=c.white
empty
wdelete,winPix
```

end

--

Reimar Bauer

Institut fuer Stratosphaerische Chemie (ICG-I)
Forschungszentrum Juelich
email: R.Bauer@fz-juelich.de

a IDL library at ForschungsZentrum Juelich

http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.html

=====