
Subject: Re: combining color tables

Posted by [Jeremy Bailin](#) on Mon, 09 Jun 2008 14:13:54 GMT

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On Jun 8, 9:02 am, "jochem.verre...@gmail.com"

<jochem.verre...@gmail.com> wrote:

> Hi IDL gurus,

>

> A color question. In an image I wish to show the values until a
> threshold (e.g. 1) in one color gradient (e.g. red) and the values
> from this threshold onwards into another color gradient (e.g. blue).

>

> In the newsgroup I found the following suggestion with code to combine
> 2 color tables. However, to me, only the color gradient of the last
> loaded color table is shown.

>

> ;Why not use two different colormaps altogether...

> im=randomu(sd,100,100)*10 ; some fake data

> ;; Load red into upper half of color map, and blue into the lower half

> loadct,3,BOTTOM=!D.N_COLORS/2; red

> loadct,1,NCOLORS=!D.N_COLORS/2;blue (only this color table is shown)

> ;; the upper half

> dpos=bytsc1(im,MIN=1.,TOP=!D.N_COLORS/2-1)+!D.N_COLORS/2

> ;; the lower half, in reverse!

> dneg=!D.N_COLORS/2-1-bytsc1(im,MAX=1.,TOP=!D.N_COLORS/2-1)

> ;; Put them together

> d=dpos*(im ge 1.)+dneg*(im lt 1.)

> tvimage, d

>

> Can someone help me out? I also wish to show a color bar.

> greetzz, Jochem

I think you want !D.TABLE_SIZE (the number of entries in the colour table) instead of !D.N_COLORS (the number of different colours possible in the display).

-Jeremy.
