Subject: Re: color mapping question Posted by David Foster on Thu, 29 Aug 1996 07:00:00 GMT

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## Christian Soeller wrote:

>

> gennari@universe.Hawaii.edu (Scott Gennari) writes:

>

- >> I have a 256 color grayscale image and i'd like to overlay a
- >> coastline with some color (red). How would I strech the grayscale
- >> data values to fit 0-254 and reserve value 255 for a certain rgb
- >> color? I'm Not having much luck with STRETCH,0,254 and then assigning
- >> a rgb color to 255.

>

- > Even on a 256 color display IDL will in general only have a subset of all
- > those colors as a few are normally already allocated by other applications.
- > The actual number of colors available to IDI can be found in the sys var
- > !D.TABLE\_SIZE. So you might try to scale your data to 0...!D.TABLE\_SIZE-2
- > and assign the color number !D.TABLE\_SIZE-1 to red (colors 0...!D.TABLE\_SIZE-2
- > set to shades of grey from 0 to 255). You get the idea. See also documentation
- > for the TVSCL procedure.

I use the following routines I've written to do this. If any look useful to you let me know and I'll mail them to you.

BYTE\_SCALE.PRO : scale contents of array between specified upper and lower bounds

GRAYSCALE.PRO: Small popup widget with sliders to allow grayscale adjustments. Can specify reserved colors.

ADJUST\_PALETTE.PRO: Adjust RGB values for individual color index.

ADJUST\_COLORS.PRO: Widget that lets you interactively adjust the colors for any color index.

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