Subject: Re: custom color table
Posted by Miklos Z. Kiss on Fri, 20 Sep 2002 19:00:50 GMT
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Many thanks. On these types of monochrome scales, color #0 is black (0, 0, 0), and color #255 is cyan (0, 255, 255) or orange (255, 165, 0). Is there a simple, or at least, a systematic, way to make a color table in which color #0 is black, color #255 is white, and everything in between is the shade of some the color in question? I am thinking of the way IDL's predefined color tables are, such as color tables, 0, 1, 3, and 8. I guess technically speaking this would be more of a quasi-monochrome color table. Thanks again.

-Mik

"David Fanning" <david@dfanning.com> wrote in message news:MPG.17f517db4ea2d0509899b6@news.frii.com...
> Miklos Z. Kiss (mzkiss@unity.ncsu.edu) writes:
>
>> I am trying to create a custom monochrome color table in IDL. IDL has four
>> (maybe five) predefined monochrome color tables (gray scale, red
>> temperature, blue-white, and green-white). XPALETTE will allow me to create
>> a custom color table, and I can load it using TVLCT, but how do I relate the
>> red, green, and blue channels mathematically to create a, say, orange, or
>> cyan monochrome color table?
>
> The color cyan is (0, 255, 255), so a monochrome cyan
> color table is this:
>
> TVLCT, bytarr(256), bindgen(256), bindgen(256)
>
> The color orange is (255, 165, 0), so a monochrome orange
> color table is this:
>
> TVLCT, bindgen(256), BytScl(bindgen(256), top=165), bytarr(256)
>
> Cheers,
>
> David
>
> --
> David W. Fanning, Ph.D.

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> Coyote's Guide to IDL Programming: http://www.dfanning.com/
> Toll-Free IDL Book Orders: 1-888-461-0155
