
Subject: Re: Image in color scale and gray level scale.
Posted by [Helder Marchetto](#) on Tue, 03 Mar 2015 11:41:35 GMT
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On Tuesday, March 3, 2015 at 12:26:45 PM UTC+1, dave poreh wrote:

> Folks,
> Hi,
> I have an image of dielectric property in size of 280*166 pixels. The data is in the range: -2.0 to 40.0. I need to plot this image in color scale and gray level scale with a legend that shows the color table of my data. I googled this and I could not find anything useful.
> Any kind of help is very appreciated,
> Cheers,
> Dave
> P.S. i am using IDL 8.0

Did you check here:

<http://www.idlcoyote.com/gallery/index.html>

Depending on what you exactly want, there are lots of good examples: from the Surface Plots to the Penguin Colony Plot. Be sure to look for "cgColorbar" and http://www.idlcoyote.com/color_tips/colorbar.html. Go through the code and find out how David did it. I'm sure that fact that the images are 280x166 pixels(^2), that it is about dielectrip properties and that the range is between -2.0 and 40.0 are not going to make a big difference. What you will have to decide is: discrete or continuous coloring? What color table for the colored image?

In IDL >8.0 you also have the function graphics function colorbar():

<http://www.exelisvis.com/docs/COLORBAR.html>

Good luck!

Helder
