
Subject: Re: iplot and color tables?

Posted by [David Fanning](#) on Mon, 26 Jun 2006 19:47:10 GMT

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maye writes:

- > I can't seem to find a way to use simple color tables in iPlot, like it
- > is possible to do in iimage.
- > Do I really have to know the RGB values of useful colors for iPlot's
- > COLOR keyword, just to distinguish 10 graphs I overplot on each other,
- > or do I overlook something?
- > If giving the color in RGB values is really the only way to have nicely
- > distinguishable graphs in iPlot, does anybody happen to have a list of
- > let's say, 16 different RGB values for that?
- > I see, that there is a way to construct your own color table.. but.. do
- > I really have to? :)
- > I'm a scientist, who does not necessarily want to know about RGB values
- > of useful colors, but just wants to have different plots nicely
- > distinguished by colors.
- > In PLOT I just can multiply/add my FOR-variable to change the value for
- > the color keyword, but in iPlot? Any suggestions?

FSC_COLOR has 110 (or so) "named" colors you can specify.
You can return the RGB triple for each color by specifying
the TRIPLE keyword. Unfortunately, the triple comes back
as a 1 by 3 array (so it can be loaded with TVLCT), so
you need to transpose it to use it with the object graphics
system:

```
iplot, COLOR=Transpose(FSC_COLOR('indian red', /Triple)), [0,1]
```

To see all the colors available, type this:

```
color = FSC_Color(/Select)
```

You will need these programs:

```
http://www.dfanning.com/programs/fsc_color.pro  
http://www.dfanning.com/programs/pickcolorname.pro
```

The program can be easily modified to work directly
with IPLOT.

Cheers,

David

--

David Fanning, Ph.D.

Subject: Re: iplot and color tables?

Posted by [Benjamin Hornberger](#) on Mon, 26 Jun 2006 22:49:23 GMT

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maye wrote:

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- > In PLOT I just can multiply/add my FOR-variable to change the value for
- > the color keyword, but in iPlot? Any suggestions?
- > Many thanks in advance,
- > Michael
- >

Once you have created the plot, you can manually change its color:
Right-click onto the plot line and choose "Properties". Once you click
into the Color field, you can pick one of the predefined colors, or
create your own color.

From the command line, it looks to me as if there is no way other than
specifying the RGB vector. But as David wrote, you can leave that job to
his `fsc_color()` routine.

Benjamin

Subject: Re: iplot and color tables?

Posted by [maye](#) on Tue, 27 Jun 2006 15:19:02 GMT

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David Fanning schrieb:

> maye writes:

>

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> http://www.dfanning.com/programs/fsc_color.pro

> <http://www.dfanning.com/programs/pickcolorname.pro>

>

One also needs error_message.pro

Hi!

Thanks for your prompt reply! I'm glad that your fame leaves you time to read and write in these forums so actively!

Some comments on your help:

After also downloading error_message.pro from your website, your programs work nicely, and i can for example, put the pickcolorname inside the fsc_color, so that i am asked everytime what color this plot should be in, that's quite nice and comfortable!

But in the case of doing very often plots with 10 graphs it becomes quickly tiring.

So, what I did, is to create a string array with ten names, created with pickcolorname. And this array I use to control fsc_color in my loop for the graph creation.

But maybe sometimes I don't want to create these names before, but just a simple number access, so I guess i will change your code to give me that. Or is an integer access already built in, and i haven't seen it?

Anyway, thanks for your help (and sorry that USA didn't move on into the WorldCup's last round of 16. ;)

Michael

Subject: Re: iplot and color tables?

Posted by [mayer](#) on Tue, 27 Jun 2006 15:29:20 GMT

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>

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> create your own color.

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> specifying the RGB vector. But as David wrote, you can leave that job to
> his fsc_color() routine.

>

Well, there is a way to control and change itool objects after creation via the object interface to the itools. (Getting the object with ITGETCURRENT() and so on).

But that's after creation of the object, this should (and is) be controllable at object creation time, I just wished it would be a bit simpler or more direct, so that my loop variable could control the color used. But anyway, with David's code it is easily done now.

But I wouldn't want to hand-change the color of 10 graphs in 10 plots (=100) with the visualization browser in the itools! ;)

Greetings,

Michael
