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Subject: Diverging Brewer Color Tables Fixed  
Posted by [David Fanning](#) on Mon, 19 May 2008 14:24:45 GMT  
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Folks,

There were a couple of problems with the Brewer color table file I produced last week (which I had just copied from Mike Galloy's implementation). In particular, the diverging color tables didn't diverge exactly in the middle of the scale. There was also some kind of problem on the high end of the color table, such that if you reduced the color table to, say, 16 colors then color 15 and 16 were indistinguishable.

I've fixed both of these problems in a new color table file:

[http://www.dfanning.com/programs/fsc\\_brewer.tbl](http://www.dfanning.com/programs/fsc_brewer.tbl)

In two-color diverging color tables, one color now goes from 0 to 127, the second color goes from 128 to 255. You can see this best if you load 16 colors:

```
IDL> CTLoad, 0  
IDL> CTLoad, /Brewer, 19, NCOLORS=16  
IDL> CIndex
```

I'm convinced the colors are now correct for all single or two-color color tables. I'm not as convinced for three-color color tables, but I continue to investigate as time permits. If you have suggestions, I'm always happy to hear them.

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>  
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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