

---

Subject: How to create a colour table in IDL?

Posted by [atmospheric physics](#) on Tue, 13 Jan 2015 10:32:19 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hello,

I have gone through the previous posts on this topic, but I could not understand how I can create a colour table in IDL. I am interested in using the colour table with only blue and red colours similar to XLOADCT: 70 - CB-RdBu - (as shown in <http://www.exelisvis.de/docs/loadingdefaultcolortables.html>). Can any one tell me how I can use the 'XLoadCT' colour table 70 with 'loadCT' command?

Look forward for a favourable response,

Thanking you,

With regards,

Madhavan

---

---

Subject: Re: How to create a colour table in IDL?

Posted by [Helder Marchetto](#) on Tue, 13 Jan 2015 10:39:40 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hi,

this is not my stuff, but I tried this and it worked:

```
loadct, 70
```

```
window, xsize=600, ysize=600
```

```
cgimage, dist(600)
```

or, even easier:

```
window, xsize=600, ysize=600
```

```
cgimage, dist(600), ctindex=70
```

regards,

Helder

On Tuesday, January 13, 2015 at 11:32:20 AM UTC+1, Madhavan Bomidi wrote:

> Hello,

>

> I have gone through the previous posts on this topic, but I could not understand how I can create a colour table in IDL. I am interested in using the colour table with only blue and red colours similar to XLOADCT: 70 - CB-RdBu - (as shown in <http://www.exelisvis.de/docs/loadingdefaultcolortables.html>). Can any one tell me how I can use the 'XLoadCT' colour table 70 with 'loadCT' command?

>

> Look forward for a favourable response,

>

> Thanking you,  
> With regards,  
> Madhavan

---

---

Subject: Re: How to create a colour table in IDL?  
Posted by [Helder Marchetto](#) on Tue, 13 Jan 2015 10:54:10 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Just in case you don't want to use David's library, then you have to make sure that decomposed is off:

```
device, decomposed=0  
window, xsize=300, ysize=300  
tv, dist(300)
```

To check for your current decomposition state, use:  
If "decomposed" stuff is not your thing, I would recommend to do the following:  
device, get\_decomposed=current\_decomp\_Value  
print, 'my current decomposed value is ', current\_decomp\_Value

```
device, decomposed=0  
;do you calculations/imaging here
```

```
;restore the previous decomposition state:  
device, decomposed=current_decomp_Value
```

If you're not sure what decomposed means and does, used David's library or read his books (the second option gives you more than the first).

Regards,  
Helder

---

---

Subject: Re: How to create a colour table in IDL?  
Posted by [atmospheric physics](#) on Tue, 13 Jan 2015 11:46:08 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hello Helder,

Thanks for your response but it doesn't work.

I use the following lines in the code:

```
-----  
device, decomposed=1  
LoadCT, 70
```

```
mg_horizon,indgen(4600),randomn(seed,12,4600),nbands=6, xstyle=1, ystyle=1
```

---

I get the following error:

% LOADCT: Table number must be from 0 to 40

Note: You can download mg\_horizon.pro from

<https://github.com/mgalloy/mglib/tree/master/src/vis/lineplots>

Can anyone help me how I can use the colour table XLOADCT: 70 - CB-RdBu - (shown in <http://www.exelisvis.de/docs/loadingdefaultcolortables.html>)?

Thanking you once again,

With regards,

Madhavan

On Tuesday, January 13, 2015 at 11:54:12 AM UTC+1, Helder wrote:

> Just in case you don't want to use David's library, then you have to make sure that decomposed is off:

```
>
> device, decomposed=0
> window, xsize=300, ysize=300
> tv, dist(300)
>
> To check for your current decomposition state, use:
> If "decomposed" stuff is not your thing, I would recommend to do the following:
> device, get_decomposed=current_decomp_Value
> print, 'my current decomposed value is ', current_decomp_Value
>
> device, decomposed=0
> ;do you calculations/imaging here
>
> ;restore the previous decomposition state:
> device, decomposed=current_decomp_Value
>
> If you're not sure what decomposed means and does, used David's library or read his books
(the second option gives you more than the first).
>
> Regards,
> Helder
```

---

---

Subject: Re: How to create a colour table in IDL?

Posted by [Helder Marchetto](#) on Tue, 13 Jan 2015 12:28:36 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

On Tuesday, January 13, 2015 at 12:46:10 PM UTC+1, Madhavan Bomidi wrote:

> Hello Helder,

>

> Thanks for your response but it doesn't work.

>

> I use the following lines in the code:

> -----

> device, decomposed=1

> LoadCT, 70

>

> mg\_horizon, indgen(4600), randomn(seed, 12, 4600), nbands=6, xstyle=1, ystyle=1

> -----

>

> I get the following error:

> % LOADCT: Table number must be from 0 to 40

>

> Note: You can download mg\_horizon.pro from  
<https://github.com/mgalloy/mglib/tree/master/src/vis/lineplots>

>

> Can anyone help me how I can use the colour table XLOADCT: 70 - CB-RdBu - (shown in  
<http://www.exelisvis.de/docs/loadingdefaultcolortables.html>)?

>

> Thanking you once again,

> With regards,

> Madhavan

>

> On Tuesday, January 13, 2015 at 11:54:12 AM UTC+1, Helder wrote:

>> Just in case you don't want to use David's library, then you have to make sure that  
decomposed is off:

>>

>> device, decomposed=0

>> window, xsize=300, ysize=300

>> tv, dist(300)

>>

>> To check for your current decomposition state, use:

>> If "decomposed" stuff is not your thing, I would recommend to do the following:

>> device, get\_decomposed=current\_decomp\_Value

>> print, 'my current decomposed value is ', current\_decomp\_Value

>>

>> device, decomposed=0

>> ;do you calculations/imaging here

>>

>> ;restore the previous decomposition state:

>> device, decomposed=current\_decomp\_Value

>>

>> If you're not sure what decomposed means and does, used David's library or read his books  
(the second option gives you more than the first).

>>

>> Regards,

>> Helder

Maybe you have an older version of IDL? I could not find if the tables have been updated  
somewhen along the history of IDL.

If you use  
loadct, GET\_NAMES=names  
print, names

you get a list of available paletts.

good luck.  
h

---

Subject: Re: How to create a colour table in IDL?  
Posted by [David Fanning](#) on Tue, 13 Jan 2015 12:56:00 GMT  
[View Forum Message](#) <> [Reply to Message](#)

Madhavan Bomidi writes:

> I have gone through the previous posts on this topic, but I could not understand how I can  
create a colour table in IDL. I am interested in using the colour table with only blue and red  
colours similar to XLOADCT: 70 - CB-RdBu - (as shown in  
<http://www.exelisvis.de/docs/loadingdefaultcolortables.html>). Can any one tell me how I can use  
the 'XLoadCT' colour table 70 with 'loadCT' command?

cgLoadCT, 22, /Brewer

Cheers,

David

--

David Fanning, Ph.D.  
Fanning Software Consulting, Inc.  
Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>  
Sepore ma de ni thue. ("Perhaps thou speakest truth.")

---

Subject: Re: How to create a colour table in IDL?  
Posted by [atmospheric physics](#) on Tue, 13 Jan 2015 13:33:14 GMT  
[View Forum Message](#) <> [Reply to Message](#)

Thank you David. It works!!!

On Tuesday, January 13, 2015 at 1:56:03 PM UTC+1, David Fanning wrote:

> Madhavan Bomidi writes:

>

>> I have gone through the previous posts on this topic, but I could not understand how I can

create a colour table in IDL. I am interested in using the colour table with only blue and red colours similar to XLOADCT: 70 - CB-RdBu - (as shown in <http://www.exelisvis.de/docs/loadingdefaultcolortables.html>). Can any one tell me how I can use the 'XLoadCT' colour table 70 with 'loadCT' command?

>  
> cgLoadCT, 22, /Brewer  
>  
> Cheers,  
>  
> David  
> --  
> David Fanning, Ph.D.  
> Fanning Software Consulting, Inc.  
> Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>  
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

---

---

Subject: Re: How to create a colour table in IDL?  
Posted by [atmospheric physics](#) on Wed, 14 Jan 2015 13:42:04 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hello,

I want to make 6 colour bands (and 7 labels) with Brewer colour table similar to the colorbar shown at <http://latticeextra.r-forge.r-project.org/#horizonplot> ?

Can anyone help me how I shall use cgLoadCT and cgColorbar to obtain the 6 colour bands from Brewer colour table?

Thanks in advance,  
Madhavan

---

---

Subject: Re: How to create a colour table in IDL?  
Posted by [David Fanning](#) on Wed, 14 Jan 2015 15:59:23 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Madhavan Bomidi writes:

> I want to make 6 colour bands (and 7 labels) with Brewer colour table similar to the colorbar shown at <http://latticeextra.r-forge.r-project.org/#horizonplot> ?  
>  
> Can anyone help me how I shall use cgLoadCT and cgColorbar to obtain the 6 colour bands from Brewer colour table?

The answer to this question is pretty simple. Just use them in the

normal way. Are you maybe looking for the on-line help?

<http://www.idlcoyote.com/idldoc/cg/cgloadct.html>

<http://www.idlcoyote.com/idldoc/cg/cgcolorbar.html>

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")

---

Subject: Re: How to create a colour table in IDL?

Posted by [atmospheric physics](#) on Wed, 14 Jan 2015 17:24:01 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hello David,

I have seen online links but I could not understand how to extract specific colours from /BREWER colour table similar to the colorbar shown at <http://latticeextra.r-forge.r-project.org/#horizonplot>

I require to extract 6 colours from /BREWER colour table to represent the contrast in the figure. How can I know the colour indices or colour names in /BREWER colour table? May be my terminology is wrong!!!

Can you please suggest me how I can do this?

Thanks and regards,  
Madhavan

On Wednesday, January 14, 2015 at 4:59:29 PM UTC+1, David Fanning wrote:

> Madhavan Bomidi writes:

>

>> I want to make 6 colour bands (and 7 labels) with Brewer colour table similar to the colorbar shown at <http://latticeextra.r-forge.r-project.org/#horizonplot> ?

>>

>> Can anyone help me how I shall use cgLoadCT and cgColorbar to obtain the 6 colour bands from Brewer colour table?

>

> The answer to this question is pretty simple. Just use them in the

> normal way. Are you maybe looking for the on-line help?

>

> <http://www.idlcoyote.com/idldoc/cg/cgloadct.html>

> <http://www.idlcoyote.com/idldoc/cg/cgcolorbar.html>

>

> Cheers,  
>  
> David  
> --  
> David Fanning, Ph.D.  
> Fanning Software Consulting, Inc.  
> Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>  
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

---

---

Subject: Re: How to create a colour table in IDL?  
Posted by [David Fanning](#) on Wed, 14 Jan 2015 17:39:16 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Madhavan Bomidi writes:

> I have seen online links but I could not understand how to extract specific colours from  
/BREWER colour table similar to the colorbar shown at  
<http://latticeextra.r-forge.r-project.org/#horizonplot>  
>  
> I require to extract 6 colours from /BREWER colour table to represent the contrast in the figure.  
How can I know the colour indices or colour names in /BREWER colour table? May be my  
terminology is wrong!!!  
>  
> Can you please suggest me how I can do this?

cgLoadCT, 22, /Brewer, NCOLORS=6

Cheers,

David

--

David Fanning, Ph.D.  
Fanning Software Consulting, Inc.  
Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>  
Sepore ma de ni thue. ("Perhaps thou speakest truth.")

---

---

Subject: Re: How to create a colour table in IDL?  
Posted by [atmospheric physics](#) on Wed, 14 Jan 2015 18:09:24 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hello David,

There is no change in the colorbar in both the following cases:

cgLoadCT, 22, /Brewer



(or)  
cgLoadCT, 22, /Brewer, ncolors=6

I wanted to have 6 color bands from /Brewer colour table similar to the one shown in the link indicted earlier. I don't understand where I am going wrong?

Thanks in advance,  
Madhavan

On Wednesday, January 14, 2015 at 6:39:22 PM UTC+1, David Fanning wrote:

> Madhavan Bomidi writes:

>  
>> I have seen online links but I could not understand how to extract specific colours from /BREWER colour table similar to the colorbar shown at <http://latticeextra.r-forge.r-project.org/#horizonplot>

>>  
>> I require to extract 6 colours from /BREWER colour table to represent the contrast in the figure. How can I know the colour indices or colour names in /BREWER colour table? May be my terminology is wrong!!!

>>  
>> Can you please suggest me how I can do this?

>  
> cgLoadCT, 22, /Brewer, NCOLORS=6  
>  
> Cheers,  
>  
> David  
> --  
> David Fanning, Ph.D.  
> Fanning Software Consulting, Inc.  
> Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>  
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

---

---

Subject: Re: How to create a colour table in IDL?  
Posted by [David Fanning](#) on Wed, 14 Jan 2015 18:16:40 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Madhavan Bomidi writes:

> There is no change in the colorbar in both the following cases:  
>  
> cgLoadCT, 22, /Brewer  
> (or)  
> cgLoadCT, 22, /Brewer, ncolors=6

>  
> I wanted to have 6 color bands from /Brewer colour table similar to the one shown in the link  
indicted earlier. I don't understand where I am going wrong?

I think you probably are NOT reading the documentation. :-)

There is a HUGE difference. Type these commands:

```
cgLoadCT, 22, /Brewer  
cIndex
```

Now, close cIndex and type these commands:

```
cgLoadCT, 0  
cgLoadCT, 22, /Brewer, NColors=6  
cIndex
```

Do you see the difference?

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")

---

Subject: Re: How to create a colour table in IDL?

Posted by [atmospheric physics](#) on Thu, 15 Jan 2015 10:40:58 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hello David,

Yes. I can see the difference. But when I incorporate the same into my code, I don't see any  
difference. May be something going wrong which I could not trace!!!

Will it be possible for you to check where I am going wrong in my code?

Below is my code:

-----  
PRO testplot

```
tindex = indgen(1000)  
d = randomu(1L, 12, 1000)  
minval = MIN(d, MAX=maxval)
```

```

FigFile = 'testplot1.ps'

cgPS_Open, FigFile
cgDisplay
thick = (!D.Name EQ 'PS') ? 2:1

!P.Multi=0

device, decomposed=0
cgLoadCT, 0
cgLoadCT, 22, /Brewer
tvlct, 0, 0, 0, 0
tvlct, 255, 255, 255, 255

cgColorbar, /Brewer, CTindex=22, TCharSize=0.12, $
  range=[minval,maxval],/right, tlocation='right', $
  Title='d',/Vertical, Font=-1, Minor=5, $
  Position=[0.81,0.32,0.83,0.90]

mg_horizon, tindex, d, nbands=6,titles=ytitles, $
  xstyle=1, ystyle=1, Xrange=[0,1000], $
  Thick=thick, Font=-1, minimum=minval, $
  maximum=maxval, Position=[0.1,0.3,0.70,0.94]

; Closing the figure file
cgPS_Close
; Create a PNG file
cgPS2Raster, FigFile, /PNG

```

END

-----

---



---

Subject: Re: How to create a colour table in IDL?

Posted by [David Fanning](#) on Thu, 15 Jan 2015 13:16:06 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Madhavan Bomidi writes:

> Yes. I can see the difference. But when I incorporate the same into my code, I don't see any difference. May be something going wrong which I could not trace!!!

> Will it be possible for you to check where I am going wrong in my code?

I suggest if you want just six colors, you use the NCOLORS=6 keyword on cgLoadCT and cgColorbar. Sigh...

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")

---

---

Subject: Re: How to create a colour table in IDL?

Posted by [Burch](#) on Thu, 15 Jan 2015 14:06:41 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

```
> cgLoadCT, 22, /Brewer
> tvlct, 0, 0, 0, 0
> tvlct, 255, 255, 255, 255
>
> cgColorbar, /Brewer, CTindex=22, TCharSize=0.12, $
>   range=[minval,maxval],/right, tlocation='right', $
>   Title='d',/Vertical, Font=-1, Minor=5, $
>   Position=[0.81,0.32,0.83,0.90]
```

Firstly, you need to add `NCOLORS = 6` to both `cgLoadCT` and `cgColorbar`, Secondly, don't use the `BREWER` and `CTINDEX` keywords when you call `cgColorbar`; you have already loaded the color table you want. See the difference between

```
cgLoadCT, 22, /brewer, nColors = 6
cgColorbar, nColors = 6
```

and

```
cgLoadCT, 22, /brewer, nColors = 6
cgColorbar, /brewer, ctIndex = 22, nColors = 6
```

The last one does not use the color table you have loaded with `cgLoadCT`. Also note that when you do

```
tvlct, 0, 0, 0, 0
```

you are overwriting the first element of the color table. Therefore, black becomes one of the six colors you are using. If this is not the desired behavior, then perhaps you should place this outside the first six elements. I suggest using `clindex` to look at what this does to your color table.

---

---

Subject: Re: How to create a colour table in IDL?

Posted by [atmospheric physics](#) on Thu, 15 Jan 2015 17:28:43 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hello David & Jeff,

Thanks for the advice. While I could get the plot as desired, I still find the axis, ticks and labels in 'red' colour (for both the colorbar and plot).

Am I missing something? How can I change the color of axis, ticks and labels to default 'black' color?

-----  
PRO testplot

```
tindex = indgen(1000)
d = randomu(1L, 12, 1000)
minval = MIN(d,MAX=maxval)
```

```
FigFile = 'testplot1.ps'
```

```
cgPS_Open, FigFile
cgDisplay
thick = (!D.Name EQ 'PS') ? 2:1
```

```
!P.Multi=0
```

```
device, decomposed=0
cgLoadCT, 0
cgLoadCT, 22, /Brewer, ncolors=6
```

```
mg_horizon, tindex, d, nbands=6, titles=ytitles, $
  xstyle=1, ystyle=1, Xrange=[0,1000], $
  Thick=thick, Font=-1, minimum=minval, $
  maximum=maxval, Position=[0.1,0.3,0.70,0.94], $
  colors=[0, 1, 2, 3, 4, 5]
```

```
cgColorbar, ncolors=6, divisions=6, TCharsize=0.12, $
  range=[minval,maxval],/right, tlocation='right', $
  Title='d',/Vertical, Font=-1, Minor=5, $
  Position=[0.81,0.32,0.83,0.90]
```

```
; Closing the figure file
cgPS_Close
; Create a PNG file
cgPS2Raster, FigFile, /PNG
```

END  
-----

Thanks in advance,  
Regards,

Madhavan

On Thursday, January 15, 2015 at 3:06:42 PM UTC+1, Jeff B wrote:

```
>> cgLoadCT, 22, /Brewer
>> tvlct, 0, 0, 0, 0
>> tvlct, 255, 255, 255, 255
>>
>> cgColorbar, /Brewer, CTindex=22, TCharSize=0.12, $
>>   range=[minval,maxval],/right, tlocation='right', $
>>   Title='d',/Vertical, Font=-1, Minor=5, $
>>   Position=[0.81,0.32,0.83,0.90]
```

>  
>  
> Firstly, you need to add NCOLORS = 6 to both cgLoadCT and cgColorbar, Secondly, don't use the BREWER and CTINDEX keywords when you call cgColorbar; you have already loaded the color table you want. See the difference between

```
>
> cgLoadCT, 22, /brewer, nColors = 6
> cgColorbar, nColors = 6
>
> and
>
> cgLoadCT, 22, /brewer, nColors = 6
> cgColorbar, /brewer, ctIndex = 22, nColors = 6
>
```

> The last one does not use the color table you have loaded with cgLoadCT. Also note that when you do

```
>
> tvlct, 0, 0, 0, 0
>
```

> you are overwriting the first element of the color table. Therefore, black becomes one of the six colors you are using. If this is not the desired behavior, then perhaps you should place this outside the first six elements. I suggest using cindex to look at what this does to your color table.

---

Subject: Re: How to create a colour table in IDL?

Posted by [David Fanning](#) on Thu, 15 Jan 2015 17:33:30 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Madhavan Bomidi writes:

> Thanks for the advice. While I could get the plot as desired, I still find the axis, ticks and labels in 'red' colour (for both the colorbar and plot).

>  
> Am I missing something? How can I change the color of axis, ticks and labels to default 'black' color?

Start your color indices at 1 instead of 0. Hint: see the BOTTOM

keyword. Color index 0 is almost always used as the background color.  
See any color article I've ever written for an example. :-)

Cheers,

David

--

David Fanning, Ph.D.  
Fanning Software Consulting, Inc.  
Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>  
Sepore ma de ni thue. ("Perhaps thou speakest truth.")

---

---

Subject: Re: How to create a colour table in IDL?  
Posted by [Nikola](#) on Fri, 16 Jan 2015 09:32:55 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Not directly related to the initial question: I have all the Brewer's tables saved as separate .sav files. The variables are named as in the example below. The colors are saved as three (r, g, b) integer arrays. The tarball is at:  
<https://db.tt/nEML38BK>

Example:

```
IDL> restore, 'Oranges_03.sav', /ve
% RESTORE: Portable (XDR) SAVE/RESTORE file.
% RESTORE: Restored variable: R.
% RESTORE: Restored variable: G.
% RESTORE: Restored variable: B.
% RESTORE: Restored variable: COLORNAME.    ; Oranges
% RESTORE: Restored variable: NUMOFCOLORS.  ; 3
% RESTORE: Restored variable: COLORNUM.     ; 0 1 2
% RESTORE: Restored variable: TYPE.         ; seq
% RESTORE: Restored variable: SCHEMETYPE.   ; Sequential
% RESTORE: Restored variable: COLORLETTER.  ; C
% RESTORE: Restored variable: CRITVAL.      ; 0.0000
```

---

---

Subject: Re: How to create a colour table in IDL?  
Posted by [atmospheric physics](#) on Fri, 16 Jan 2015 13:33:25 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Thank you David. It works!!!

On Thursday, January 15, 2015 at 6:33:36 PM UTC+1, David Fanning wrote:

> Madhavan Bomidi writes:  
>  
>> Thanks for the advice. While I could get the plot as desired, I still find the axis, ticks and labels in 'red' colour (for both the colorbar and plot).  
>>  
>> Am I missing something? How can I change the color of axis, ticks and labels to default 'black' color?  
>  
> Start your color indices at 1 instead of 0. Hint: see the BOTTOM  
> keyword. Color index 0 is almost always used as the background color.  
> See any color article I've ever written for an example. :-)  
>  
> Cheers,  
>  
> David  
>  
>  
> --  
> David Fanning, Ph.D.  
> Fanning Software Consulting, Inc.  
> Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>  
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

---

---

Subject: Re: How to create a colour table in IDL?  
Posted by [atmospheric physics](#) on Fri, 16 Jan 2015 13:34:09 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Thank you Nikola.

On Friday, January 16, 2015 at 10:32:56 AM UTC+1, Nikola Vitas wrote:

> Not directly related to the initial question: I have all the Brewer's tables saved as separate .sav files. The variables are named as in the example below. The colors are saved as three (r, g, b) integer arrays. The tarball is at:  
> <https://db.tt/nEML38BK>  
>  
> Example:  
> IDL> restore, 'Oranges\_03.sav', /ve  
> % RESTORE: Portable (XDR) SAVE/RESTORE file.  
> % RESTORE: Restored variable: R.  
> % RESTORE: Restored variable: G.  
> % RESTORE: Restored variable: B.  
> % RESTORE: Restored variable: COLORNAME. ; Oranges  
> % RESTORE: Restored variable: NUMOFCOLORS. ; 3  
> % RESTORE: Restored variable: COLORNUM. ; 0 1 2  
> % RESTORE: Restored variable: TYPE. ; seq  
> % RESTORE: Restored variable: SCHEMETYPE. ; Sequential



```
> % RESTORE: Restored variable: COLORLETTER.  ; C
> % RESTORE: Restored variable: CRITVAL.      ; 0.0000
```

---