
Subject: Re: How to add modified color tables to IDL 7.1

Posted by [natha](#) on Thu, 15 Mar 2012 21:15:54 GMT

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Modify your palette using XPALETTE. Then, you can retrieve the RGB values with TVLCT, r, g, b, /GET and create a SAV file with these values SAVE, FILENAME='myrainbowpalette.sav', r, g, b

After that, if you want to use these same colors again, you can restore the palette RESTORE, 'myrainbowpalette.sav' and set the colors using TVLCT, r, g, b

Another option is to modify the palette using MODIFYCT. You can create your own color-palette-table or overwrite the existing one (even if this is not a good idea). If you create your table, you will have to specify the file LOADCT, FILE=file, or MODIFYCT, FILE=file

Dale !
nata

Subject: Re: How to add modified color tables to IDL 7.1

Posted by on Thu, 15 Mar 2012 21:52:55 GMT

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On Mar 15, 5:15 pm, nata <bernat.puigdomen...@gmail.com> wrote:

> Modify your palette using XPALETTE. Then, you can retrieve the RGB values with TVLCT, r, g, b, /GET and create a SAV file with these values SAVE, FILENAME='myrainbowpalette.sav', r, g, b
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>

> Dale !

> nata

Thanks a Lot Nata...
but now I have this problem

% Compiled module: MODIFYCT.

% Variable is undefined: ITAB.

% Error occurred at: MODIFYCT 83 /usr/local/itt/idl71/lib/

modifyct.pro

% \$MAIN\$

% Execution halted at: \$MAIN\$

Thanks a lot

Subject: Re: How to add modified color tables to IDL 7.1
Posted by [Michael Galloy](#) on Thu, 15 Mar 2012 22:18:50 GMT
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On 3/15/12 3:52 PM, David L̃pez wrote:

```
> On Mar 15, 5:15 pm, nata<bernat.puigdomen...@gmail.com> wrote:
>> Modify your palette using XPALETTE. Then, you can retrieve the RGB values with TVLCT, r,
>> g, b, /GET and create a SAV file with these values SAVE, FILENAME='myrainbowpalette.sav', r,
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>> After that, if you want to use these same colors again, you can restore the palette RESTORE,
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> modifyct.pro
> %
> %      $MAIN$
> % Execution halted at: $MAIN$
>
> Thanks a lot
```

Could you show the command that caused this error?

I have several other color tables files that I access with the FILE keyword of [X]LOADCT and find this a quite nice way to store color tables.

Mike

--

Michael Galloy
www.michaelgalloy.com
Modern IDL, A Guide to Learning IDL: <http://modernidl.idldev.com>
Research Mathematician
Tech-X Corporation

Subject: Re: How to add modified color tables to IDL 7.1
Posted by [natha](#) on Thu, 15 Mar 2012 22:22:06 GMT

I think that you are not using the routine properly. You are missing the index. Did you read the documentation ?

```
TVLCT, r, g, b, /GET
ltab=45
MODIFYCT, ltab, 'my rainbow palette', r, g, b
PRINT, ltab
```

The palette will be stored in the index ltab. Next time you want to load the palette, you can do
LOADCT, ltab

The magic is done !

Subject: Re: How to add modified color tables to IDL 7.1
Posted by on Fri, 16 Mar 2012 01:09:38 GMT

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On Mar 15, 6:18 pm, Michael Galloy <mgal...@gmail.com> wrote:

> On 3/15/12 3:52 PM, David López wrote:

>

>

>

>> On Mar 15, 5:15 pm, nata<bernat.puigdomen...@gmail.com> wrote:

>>> Modify your palette using XPALETTE. Then, you can retrieve the RGB values with TVLCT, r, g, b, /GET and create a SAV file with these values SAVE, FILENAME='myrainbowpalette.sav', r, g, b

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>

>>> Dale !

>>> nata

>

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>> but now I have this problem

>

>> % Compiled module: MODIFYCT.

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```
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>
>> Thanks a lot
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> Could you show the command that caused this error?
>
> I have several other color tables files that I access with the FILE
> keyword of [X]LOADCT and find this a quite nice way to store color tables.
>
> Mike
> --
> Michael Galloywww.michaelgalloy.com
> Modern IDL, A Guide to Learning IDL:http://modernidl.idldev.com
> Research Mathematician
> Tech-X Corporation
```

Thanks a Mister Galloy...
but do not understand why not work
my steps are:
open idl like superuser
sudo idlde
in console IDLDE
loadct for select color number 13 Rainbow
xpalette for change color..
modifyct...

```
IDL> loadct
% Compiled module: LOADCT.
% Compiled module: FILEPATH.
0-   B-W LINEAR  14-   STEPS  28-   Hardcandy
1-   BLUE/WHITE 15-   STERN SPECIAL 29-   Nature
2-   GRN-RED-BLU-WHT 16-   Haze 30-   Ocean
3-   RED TEMPERATURE 17- Blue - Pastel - R 31-   Peppermint
4-   BLUE/GREEN/RED/YE 18-   Pastels 32-   Plasma
5-   STD GAMMA-II 19- Hue Sat Lightness 33-   Blue-Red
6-   PRISM 20- Hue Sat Lightness 34-   Rainbow
7-   RED-PURPLE 21- Hue Sat Value 1 35-   Blue Waves
8-   GREEN/WHITE LINEA 22- Hue Sat Value 2 36-   Volcano
9-   GRN/WHT EXPONENTI 23- Purple-Red + Stri 37-   Waves
10-   GREEN-PINK 24-   Beach 38-   Rainbow18
11-   BLUE-RED 25-   Mac Style 39-   Rainbow + white
12-   16 LEVEL 26-   Eos A 40-   Rainbow + black
13-   RAINBOW 27-   Eos B
Enter table number: 13
% LOADCT: Loading table RAINBOW
IDL> xpalette
% Compiled module: XPALETTE.
```

```
% Compiled module: XREGISTERED.
% Compiled module: CW_FIELD.
% Compiled module: CW_BGROUPE.
% Compiled module: CW_RGBSLIDER.
% Compiled module: CW_FSLIDER.
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% Compiled module: COLORMAP_APPLICABLE.
% Compiled module: XMANAGER.
% Compiled module: XLOADCT.
IDL> modifyct
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modifyct.pro
%      $MAIN$
% Execution halted at: $MAIN$
```

any idea...
Regards

Subject: Re: How to add modified color tables to IDL 7.1
Posted by [Andrew Cool](#) on Fri, 16 Mar 2012 01:41:34 GMT
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```
On Mar 16, 11:09 am, David López <david.lo...@ceaza.cl> wrote:
> On Mar 15, 6:18 pm, Michael Galloy <mgal...@gmail.com> wrote:
>
>
>
>
>
>
>
>
>
>> On 3/15/12 3:52 PM, David López wrote:
>
>>> On Mar 15, 5:15 pm, nata<bernat.puigdomen...@gmail.com> wrote:
>>>> Modify your palette using XPALETTE. Then, you can retrieve the RGB values with TVLCT,
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>>>> g, b
>>>> After that, if you want to use these same colors again, you can restore the palette
>>>> RESTORE, 'myrainbowpalette.sav' and set the colors using TVLCT, r, g, b
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```

```

>>>> Another option is to modify the palette using MODIFYCT. You can create your own
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> 2-    GRN-RED-BLU-WHT 16-    Haze 30-    Ocean
> 3-    RED TEMPERATURE 17- Blue - Pastel - R 31-    Peppermint

```

```

> 4- BLUE/GREEN/RED/YE 18-      Pastels 32-      Plasma
> 5-   STD GAMMA-II 19- Hue Sat Lightness 33-      Blue-Red
> 6-      PRISM 20- Hue Sat Lightness 34-      Rainbow
> 7-   RED-PURPLE 21- Hue Sat Value 1 35-      Blue Waves
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> 11-   BLUE-RED 25-      Mac Style 39- Rainbow + white
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>
> any idea...
> Regards

```

Yes, You have not supplied the table index parameter!
You must tell ModifyCT which table you want to modify...

Try using Help, modifyct at the command line

Andrew

Subject: Re: How to add modified color tables to IDL 7.1
Posted by on Fri, 16 Mar 2012 16:25:03 GMT
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On Mar 15, 9:41 pm, Andrew Cool <andrew.c...@dsto.defence.gov.au> wrote:

> On Mar 16, 11:09 am, David López <david.lo...@ceaza.cl> wrote:

>

>

>

>> On Mar 15, 6:18 pm, Michael Galloy <mgal...@gmail.com> wrote:

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>> 10- GREEN-PINK 24- Beach 38- Rainbow18
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> Try using Help, modifyct at the command line
>
> Andrew

Hi Andrew

Thanks a lot... but make a mistake!!!!
but my result was copied rainbow palette number 13 to number 41 but
both remain in grayscale.
my command was!!!

```
IDL> TVLCT, r, g, b, /Get
IDL> ModifyCT, 13, 'Rainbow', r, g, b
% Compiled module: MODIFYCT.
% Compiled module: FILEPATH.
IDL> XColors
% Compiled module: XCOLORS.
% Compiled module: FIND_RESOURCE_FILE.
% Compiled module: PROGRAMROOTDIR.
% Compiled module: STRSPLIT.
% Compiled module: XREGISTERED.
% Compiled module: LOADCT.
% Compiled module: XMANAGER.
IDL> ModifyCT, 41, 'Rainbow', r, g, b
IDL> xloadct
```

Any Idea!!!

Subject: Re: How to add modified color tables to IDL 7.1
Posted by [Fabzi](#) on Fri, 16 Mar 2012 17:29:43 GMT
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On 03/16/2012 05:25 PM, David Li¹/₂pez wrote:

>
> Hi Andrew
> Thanks a lot... but make a mistake!!!!
> but my result was copied rainbow palette number 13 to number 41 but
> both remain in grayscale.
> my command was!!!
>

```
> IDL> TVLCT, r, g, b, /Get
> IDL> ModifyCT, 13, 'Rainbow', r, g, b
```

Well at this point it happened what people told you to be careful about... You overwrote the IDL rainbow colortable with the IDL grayscale colortable.

Subject: Re: How to add modified color tables to IDL 7.1
Posted by on Mon, 19 Mar 2012 20:27:54 GMT
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On Mar 16, 1:29 pm, Fabien <fabien.mauss...@gmail.com> wrote:

```
> On 03/16/2012 05:25 PM, David López wrote:
>
>
>
>> Hi Andrew
>> Thanks a lot... but make a mistake!!!!
>> but my result was copied rainbow palette number 13 to number 41 but
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> Well at this point it happened what people told you to be careful
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> colortable.
```

Hello Again...

I can create new file rainbow in the palette
but I can not save changes change when I modified with xpalette...
my commands was!!

```
IDL> TVLCT, r, g, b, /Get
IDL> ModifyCT, 41, 'Rainbow'
IDL> XPALETTE for modify colors.....
```

Regards

Subject: Re: How to add modified color tables to IDL 7.1
Posted by [Fabzi](#) on Tue, 20 Mar 2012 09:14:14 GMT
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On 03/19/2012 09:27 PM, David L^ípez wrote:
 > On Mar 16, 1:29 pm, Fabien<fabien.mauss...@gmail.com> wrote:
 >> On 03/16/2012 05:25 PM, David L^ípez wrote:
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 >>
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 >
 >
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 > IDL> ModifyCT, 41, 'Rainbow'
 > IDL> XPALETTE for modify colors.....
 >
 > Regards
 >

Hi,

IDL> loadct, 13 ; The colors are loaded internaly
 IDL> XPALETTE ; Modify colors as you want them
 IDL> TVLCT, r, g, b, /Get ; Get the modified colors as r g b triple
 IDL> MODIFYCT, 51, "MyRainbow", r, g, b ; Save them in IDL

Subject: Re: How to add modified color tables to IDL 7.1
 Posted by on Tue, 20 Mar 2012 13:59:42 GMT
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On Mar 20, 5:14 am, Fabien <fabien.mauss...@gmail.com> wrote:
 > On 03/19/2012 09:27 PM, David López wrote:
 >
 >

>
 >> On Mar 16, 1:29 pm, Fabien<fabien.mauss...@gmail.com> wrote:
 >>> On 03/16/2012 05:25 PM, David López wrote:
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Hello Fabien
 You are my hero....
 wonderful.....runing...my new palette Rainbow..... is a correct
 commands...

Thanks a lot

Subject: Re: How to add modified color tables to IDL 7.1
 Posted by [David Fanning](#) on Tue, 20 Mar 2012 14:34:13 GMT
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David López writes:

> You are my hero....
> wonderful.....runing...my new palette Rainbow..... is a correct
> commands...

I don't want to sound old, but in my day, you had
to do more than put a couple of commands in a logical order
to become a hero. ;-)

Cheers,

David

--

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