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Subject: Re: loading colors in tvscl  
Posted by [Mike\[2\]](#) on Tue, 26 Jun 2007 17:14:28 GMT  
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On Jun 26, 12:34 pm, kostis <kostis...@gmail.com> wrote:  
> I cant manage to display an array with tvscl using a color table taken  
> by XLoadCT  
> The table is loaded normally but i dont see any colors  
> What's wrong with my routine?  
> Any suggestions on this??

Could be that your display is decomposed:

```
N = 100
img = dist(N,N)
window, xsize=2*N, ysize=N
device, get_decomposed=decomposed
print, decomposed
device, decomposed=0
tvscl, img, 0
device, decomposed=1
tvscl, img, 1
```

Mike

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Subject: Re: loading colors in tvscl  
Posted by [David Fanning](#) on Tue, 26 Jun 2007 17:42:08 GMT  
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kostis writes:

```
> I cant manage to display an array with tvscl using a color table taken
> by XLoadCT
> The table is loaded normally but i dont see any colors
> What's wrong with my routine?
> Any suggestions on this??
>
> LoadCT, 33
> for i=1,100 do begin
>   image=congrid(bytscl(ARRAY[*,*,i]),500,500)
>   tvscl,ROTATE(image,1)
> endfor
```

You might want to consider a routine like TVScale or  
TVImage that is a little smarter at figuring out  
what color decomposition model you want to be using:

<http://www.dfanning.com/programs/tvscale.pro>  
<http://www.dfanning.com/programs/tvimage.pro>

Cheers,

David

--

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

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Subject: Re: loading colors in tvscl  
Posted by [kostis](#) on Tue, 26 Jun 2007 19:43:22 GMT  
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On Jun 26, 8:42 pm, David Fanning <n...@dfanning.com> wrote:

```
> kostis writes:
>> I cant manage to display an array with tvscl using a color table taken
>> by XLoadCT
>> The table is loaded normally but i dont see any colors
>> What's wrong with my routine?
>> Any suggestions on this??
>
>> LoadCT, 33
>> for i=1,100 do begin
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> You might want to consider a routine like TVScale or
> TVImage that is a little smarter at figuring out
> what color decomposition model you want to be using:
>
> http://www.dfanning.com/programs/tvscale.pro
> http://www.dfanning.com/programs/tvimage.pro
>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:http://www.dfanning.com/
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")
```

I tried the following but still no color....  
If i wasnt permitted to do that i should see a message right?

```
LoadCT, 5, NColors=100, Bottom=100
for i=1,100 do begin
  image=congrid(bytscl(ARRAY[*,*,i]),500,500)
  TVSCALE,ROTATE(image,1), NColors=100, Bottom=100
endfor
```

```
LoadCT, 33
for i=1,100 do begin
  image=congrid(bytscl(ARRAY[*,*,i]),500,500)
  TVIMAGE,ROTATE(image,1)
endfor
```

---

Subject: Re: loading colors in tvscl  
Posted by [David Fanning](#) on Tue, 26 Jun 2007 20:16:03 GMT  
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kostis writes:

```
> I tried the following but still no color....
> If i wasnt permitted to do that i should see a message right?
>
> LoadCT, 5, NColors=100, Bottom=100
> for i=1,100 do begin
>   image=congrid(bytscl(ARRAY[*,*,i]),500,500)
>   TVSCALE,ROTATE(image,1), NColors=100, Bottom=100
> endfor
>
> LoadCT, 33
> for i=1,100 do begin
>   image=congrid(bytscl(ARRAY[*,*,i]),500,500)
>   TVIMAGE,ROTATE(image,1)
> endfor
```

Well, then. You have bigger problems than I thought. :-)

My guess is that you are on a LINUX computer that is  
using a DirectColor visual. You can see if this is so,  
by typing this:

```
IDL> Device, Get_Visual_Name=theVisual & Print, theVisual
```

If you see DirectColor printed out, read this article

IMMEDIATELY:

[http://www.dfanning.com/misc\\_tips/idlsetup.html](http://www.dfanning.com/misc_tips/idlsetup.html)

As long as you are in DirectColor, \*nothing\* will make sense to you. :-)

If this is not the case, send us the result of this command:

IDL> Help, /Device

And we will see what to do next.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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

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Subject: Re: loading colors in tvscl

Posted by [kostis](#) on Tue, 26 Jun 2007 21:02:53 GMT

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Yes im in DirectColor...

It looks easy to fix

but i dont understand which is this IDL start-up file  
and where do i find it..

I know its a stupid question but could anyone tell me???

Thanx!

---

Subject: Re: loading colors in tvscl

Posted by [David Fanning](#) on Tue, 26 Jun 2007 21:43:14 GMT

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kostis writes:

> Yes im in DirectColor...

Ah... :-)

> It looks easy to fix

> but i dont understand which is this IDL start-up file  
> and where do i find it..

You create it with a text editor.

If you don't want to use it, or you have difficulty pointing your IDL\_STARTUP environment variable at it after you create it, just be sure that you type this command in your IDL session BEFORE you open a graphics window of any kind:

```
IDL> Device, TRUE_COLOR=24
```

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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

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