
Subject: Re: making a color image
Posted by [Jean H.](#) on Thu, 06 Sep 2007 18:04:45 GMT
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>
> When I try what I think should work:
>
> IDL> tv,[[v],[r],[i]]
>
> what is displayed is black and white only. I *used* to know how to do
> this 15 years ago when I had an IVAS, but haven't done it with a
> workstation. I'm probably missing something obvious, but what?
>
> Thanks.

try,
tv, [[[a]],[[b]],[[c]]], true = 3

Jean

Subject: Re: making a color image
Posted by [David Fanning](#) on Thu, 06 Sep 2007 18:09:48 GMT
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Greg Hennessy writes:

> When I try what I think should work:
>
> IDL> tv,[[v],[r],[i]]
>
> what is displayed is black and white only. I *used* to know how to do
> this 15 years ago when I had an IVAS, but haven't done it with a
> workstation. I'm probably missing something obvious, but what?

More brackets. :-)

Try this:

```
IDL> tv,[[[v]],[[r]],[[i]]]
```

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.")

Subject: Re: making a color image
Posted by [David Fanning](#) on Thu, 06 Sep 2007 18:12:32 GMT
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Greg Hennessy writes:

> When I try what I think should work:
>
> IDL> tv,[[v],[r],[i]]
>
> what is displayed is black and white only. I *used* to know how to do
> this 15 years ago when I had an IVAS, but haven't done it with a
> workstation. I'm probably missing something obvious, but what?

Whoops! That one got away from me. (Too used to TVIMAGE!)

Try this:

```
IDL> TV, [[[v]],[[r]],[[i]]], TRUE=3
```

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.")

Subject: Re: making a color image
Posted by [Michael Galloy](#) on Thu, 06 Sep 2007 18:13:03 GMT
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On Sep 6, 11:49 am, Greg Hennessy
<greg.henne...@localhost.localdomain> wrote:
> I have three 8 bit images in three filters that I want to display as a
> "true color" image. My workstation should be able to handle it.
> IDL> help,/device
> Available Graphics Devices: CGM HP LJ NULL PCL PRINTER PS REGIS TEK X Z
> Current graphics device: X
> Server: X11.0, The X.Org Foundation, Release 70000000

> Display Depth, Size: 24 bits, (1280,960)
> Visual Class: TrueColor (4)
> Bits Per RGB: 8 (8/8/8)
> Physical Color Map Entries (Emulated / Actual): 256 / 256
> Colormap: Shared, 16777216 colors. Translation table: Bypassed
> Graphics pixels: Combined, Dither Method: Ordered
> Write Mask: 16777215 (decimal) ffffff (hex)
> Graphics Function: 3 (copy)
> Current Font: <default>, Current TrueType Font: <default>
> Default Backing Store: Pixmap.
>
> When I try what I think should work:
>
> IDL> tv,[[v],[r],[i]]
>
> what is displayed is black and white only. I *used* to know how to do
> this 15 years ago when I had an IVAS, but haven't done it with a
> workstation. I'm probably missing something obvious, but what?
>
> Thanks.

Try:

```
IDL> device, decomposed=1  
IDL, tv, [[[r]], [[g]], [[b]]], true=3
```

Mike

--

www.michaelgalloy.com

Subject: Re: making a color image

Posted by [Greg Hennessy](#) on Thu, 06 Sep 2007 18:18:54 GMT

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On 2007-09-06, David Fanning <news@dfanning.com> wrote:

> More brackets. :-)
>
> Try this:
>
> IDL> tv,[[[v]],[[r]],[[i]]]

That seems closer, since it tries to display an array of [4096,4096,3]
instead of an array of [4096,12288], but it still shows up as black
and white only.

Would I need to worry about a color table? I wouldn't have thought so,
but then I'm obviously thinking incorrectly since it Don't Work (TM).

Subject: Re: making a color image

Posted by [Greg Hennessy](#) on Thu, 06 Sep 2007 18:21:44 GMT

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On 2007-09-06, David Fanning <news@dfanning.com> wrote:

> IDL> TV, [[[v]],[[r]],[[l]]], TRUE=3

That did it. Thanks!

Thanks also to the other two posters who gave the answer.
