
Subject: using TVRD(true=0) with a 24-bit image and decomposed=0

Posted by [odel](#) on Mon, 29 Mar 2004 20:18:30 GMT

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To all IDL color-masters,

I am trying to simply read an image that was originally plotted like this:

tv, image

where image is a 2D byte-array of colors IN MY CURRENT COLORTABLE; ie, numbers from 0 to 255. However, I am on a 24-bit display. I have device, decomposed=0 and backing-store set on retain=2.

If i do this:

```
im2 = tvrd()  
tv, im2
```

I get way more color=255 than I should; i do not get back the precise original image. I understand that I can get the RGB triples by doing tvrd(true=1), but *I don't want the RGB triples*. I just want the simple numbers from 0 to 255 that I originally plotted. How do I get them using tvrd()?

Thanks anyone who can help with this!
Chris O'Dell
