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Subject: Re: using TVRD on idl 5.1

Posted by [Ben Tupper](#) on Tue, 20 Jun 2000 07:00:00 GMT

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Peliz wrote:

```
> I need a color output to a .ppm file on my system (solaris 2.5 & IDL
> 5.1). The way I am trying (and I think it works on a PC)
> is to use the output of tvrd(/true). But it is not working...
> If I use,
> x = tvrd(/true)
> tv, x, /true
> shouldn't I get the same window?
> Even if my x look a little strange (half good half kind of
> noisy) how comes the result in the .ppm is a repeated pattern (~3x)?!
> the remarks under"
> Unexpected Results Using TVRD with X Windows" of the idl help
> did not solve the problem!
>
> As anyone trayed this? (not on a PC not to a GIF)
> thanks a lot,
>
>
```

Hello,

It is unfortunate that you want to use a the PPM format, otherwise you could use Liam's SAVEIMAGE routine (see posting below regarding sving GIF format images.) You will get strange results (as you described) when you specify /TRUE for TVRD when you have an 8bit display.

Try the following....

```
;get the image
X = TVRD()
;get the color vectors
TVLCT, Red,Green,Blue, /Get
;make a 24 bit array
Sz = Size(X,/Dim)
Img = BytArr(3,SZ[0],Sz[1])
;assign each of the red, green, blue values of each pixel
Img[0,*] = Red[X[*]]
Img[1,*] = Green[X[*]]
Img[2,*] = Blue[X[*]]
;write the image
Write_PPM, FileName, Img
```

Ben

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