
Subject: Screen dump to file - color problems

Posted by [Richard French](#) on Wed, 16 Jul 2003 17:59:24 GMT

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I'm running IDL5.6 on a Mac and I'm having trouble getting a screen dump of a color image to a file - the colors are not working properly. I've tried using David Fanning's TVREAD(), I've tried FSC_WINDOW, and I've tried every combination of decomposed=0, decomposed=1, TRUE=1, TRUE=0, etc with no success. Two symptoms - the background color of the window was supposed to be white, but it ends up being blue; the color table for the image itself seems to be wrapped over itself.

Can someone help save my sanity? Here is what fails on my Mac running OS 10.2 and X11 Beta 3 - XFree86 4.2.1

```
IDL> help,/dev
```

```
Available Graphics Devices: CGM HP LJ NULL PCL PRINTER PS REGIS TEK X Z
```

```
Current graphics device: X
```

```
Server: X11.0, The XFree86 Project, Inc, Release 40201000
```

```
Display Depth, Size: 24 bits, (2560,1024)
```

```
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: Enabled
```

```
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: Req from Server.
```

```
IDL> print,!version
```

```
{ ppc darwin unix Mac OS X 5.6 Oct 26 2002    32    32 }
```

I tried just doing the actual TVRD() commands, following what is in the guts of David Fanning's TVREAD:

```
Device,decomposed=0 ; for the display of the image
```

```
Loadct,3
```

```
Window,xsize=400,ysize=400
```

```
Erase,color=255 ; make white background
```

```
Tvscl,dist(300),50,50
```

```
Device,decomposed=1
```

```
Result=tvrd(/TRUE)
```

```
Write_jpeg,'tryit.jpg',result,/TRUE
```

```
Device,decomposed=0
```

When I display the jpeg file, I get a blue background and a green diamond in

the middle of the image.

I'm willing to admit that I am blind and stupid! I'm using code that seems to have worked last year on whatever machine I might have been using, but I can't get it to work now, and it is driving me crazy.

Thanks for any hints.

Dick French
