

---

Subject: Re: idl, postscript, color  
Posted by [Liam Gumley](#) on Wed, 23 Oct 1996 07:00:00 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Klaus Bramstedt wrote:

> I have to plot TrueColor pictures in IDL. These pictures contain colors  
> defined as RGB-values. On a TrueColor X-Display everything works fine  
> with about 16 million colors, i get very nice pictures. I want to plot  
> this pictures on a PostScript color printer. But the 'ps' device in IDL  
> only allows 256 colors, which is definitely too less for my pictures.  
> Has someone any idea, how to put my pictures on paper?

See the IDL Reference Manual section on 'The Postscript Device',  
in particular the section on 'True-Color Images', which says in part

(begin quote)

Use the TRUE keyword to the TV and TVSCL procedures to indicate that the  
image is a true-color image and to specify the dimension over which  
color is interleaved. A value of 1 specifies pixel interleaving, 2 is  
row interleaving, and 3 is image interleaving. The following example  
writes a 24-bit image, interleaved over the 3rd dimension, to a  
PostScript file:

```
SET_PLOT, 'PS'  
;Set the PostScript device to *8* bits per color, not 24:  
DEVICE, FILE='24bit.ps', /COLOR, BITS=8  
TV, [[[r]], [[g]], [[b]]], TRUE=3  
DEVICE, /CLOSE  
(end quote)
```

---