
Subject: 24-bit color postscript again
Posted by [bowman](#) on Fri, 09 Oct 1998 07:00:00 GMT
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I haven't been able to make my 24-bit color postscript plotting work yet, so I wrote a simple example to illustrate my problem. You need a 24-bit display to make this work and a color postscript printer or viewer.

PRO TEST24, PRINT = print

```
!P.BACKGROUND = 256L^3 - 1L      ;Set background color to white
!P.FONT = -1L                  ;Use Hershey fonts

IF KEYWORD_SET(print) THEN BEGIN
  SET_PLOT, 'PS'
  DEVICE, /COLOR, BITS_PER_PIXEL = 8, /SCHOOLBOOK, FONT_SIZE=10, /PORTRAIT
  !P.BACKGROUND = 0L            ;Set background color to white
  !P.FONT = 0L                 ;Use hardware fonts
ENDIF

n = 10000L
x = RANDOMU(seed, n)
y = RANDOMU(seed, n)
r = LONG(255*x)
g = LONG(255*y)
b = REPLICATE(0B, n)
color = r + 256L*(g + 256L*b)
PLOT, [0,0], [1,1], /NODATA, COLOR = 0
PLOTS, x, y, PSYM=1, COLOR = color

IF KEYWORD_SET(print) THEN DEVICE, /CLOSE
SET_PLOT, 'X'
!P.BACKGROUND = 0L

END
```

The program works when plotting to the X device (black in lower left, red in lower right, green in upper left, yellow in upper right). When the PostScript option is selected (/PRINT), all of the points plot as grayscale or white. How do I get the colors to work with Postscript?

Thanks, Ken

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