
Subject: 24-bit color postscript again

Posted by [bowman](#) on Fri, 09 Oct 1998 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

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

--

Dr. Kenneth P. Bowman, Professor
Department of Meteorology
Texas A&M University
College Station, TX 77843-3150

409-862-4060
409-862-4466 fax
bowmanATcsrp.tamu.edu
Replace AT with @
