
Subject: Re: PV-WAVE and possibly IDL color maps
Posted by [Liam Gumley](#) on Tue, 23 Feb 1999 08:00:00 GMT
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John Black wrote:

- > I'm using PV-WAVE version v6.21a on a DEC alpha running DEC UNIX.
- > I was wondering if someone has a color map that has 10 different colours in it.
- > I want to plot 2d data from 9 different classes. I want to plot to screen and
- > printer, so I can use white on the screen and black on printer for one of the
- > classes and the axes, labels etc.

Give this a go (it's IDL, but PV-Wave will probably work):

;---cut here---

```
PRO COLORS, START = START
```

```
;+
; Purpose:
;   Load the sixteen McIDAS graphics colors into the current color
table.
;
; Usage:
;   COLORS
;
; Input:
;   None
;
; Output:
;   None
;
; Optional Keywords:
;   START Start index in the color table where the McIDAS graphics
;         colors will be loaded (default = 0).
;
; Notes:
;   The color table assignments are as follows
;   0 => black
;   1 => magenta
;   2 => cyan
;   3 => yellow
;   4 => green
;   5 => red
;   6 => blue
;   7 => white
;   8 => navy
;   9 => gold
;   10 => pink
;   11 => aquamarine
```

```
; 12 => orchid
; 13 => gray
; 14 => sky
; 15 => beige
;
; Example:
; colors
; xyouts, 0, 0, 'Magenta', /device, color=1
; xyouts, 0, 100, 'Red', /device, color=5
; xyouts, 0, 200, 'Green', /device, color=4
; xyouts, 0, 300, 'Blue', /device, color=6
;
; Author:
;   Liam.Gumley@ssec.wisc.edu
;-
```

;- Check keywords

if n_elements(start) ne 1 then start = 0

;- Load McIDAS graphics colors

```
r = [0,255,0,255,0,255,0,255,0,255,255,112,219,127,0,255]
g = [0,0,255,255,255,0,0,255,0,187,127,219,112,127,163,171]
b = [0,255,255,0,0,0,255,255,115,0,127,147,219,127,255,127]
tv!ct, r, g, b, start
```

END

;---cut here---

Note: If you want Postscript output, don't forget to do the following:

```
SET_PLOT, 'PS'
DEVICE, /COLOR, BITS=8, ...
```

Cheers,
Liam.

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