

NAME

colors – color codes for high-resolution graphics

USING COLORS

If your high-resolution display supports colors, you can change the colors used by `spec`'s plotting with the function call:

```
plot_cntl("colors=bgnd:win:text:axis:symb")
```

The values for *bgnd* (the background color of the area outside the axis), *win* (the background color of the area inside the axis), *text* (the color of the text), *axis* (the color of the axis) and *symb* (the color of the plotting symbols) are integers. Values not given will not be changed.

The standard macros `splot` and `rplot` use the color values in the strings `splot_col` and `rplot_col` to set colors before plotting. Default values for VGA and EGA displays are:

```
splot_col="11:12:9:3:2"
rplot_col="12:11:9:3:2"
```

Defaults for X Windows and Sunview are:

```
splot_col="16:49:9:3:2"
rplot_col="49:16:9:3:2"
```

You can choose other color combinations by assigning new values to these strings. (The first two colors should be light and the last three should be dark to provide good contrast between the background and foreground.)

A call of

```
plot_cntl("-colors")
```

will turn use of colors off. A call of

```
plot_cntl("colors")
```

will turn use of colors on, if the device support colors.

IN-COMMON COLORS

The first 10 colors are standardized for all color display devices according to the following table:

| | |
|--|-------------|
| 0 – background (normally white or black) | |
| 1 – foreground (normally black or white) | |
| 2 – blue | 3 – red |
| 4 – green | 5 – yellow |
| 6 – cyan | 7 – magenta |
| 8 – white | 9 – black |

PC CONSOLE GRAPHICS COLOR ASSIGNMENT

The colors for vga and ega graphics on 386 and 486 PC computers are as follows:

- | | |
|--------------------|------------------|
| 0 - black | 1 - bright white |
| 2 - blue | 3 - red |
| 4 - green | 5 - yellow |
| 6 - cyan | 7 - magenta |
| 8 - bright white | 9 - black |
| 10 - light blue | 11 - light green |
| 12 - light cyan | 13 - light red |
| 14 - light magenta | 15 - brown |
| 16 - gray | 17 - white |

X WINDOWS AND SUNVIEW COLORS

The colors available on X Windows and SunView are as follows:

- | | |
|--------------------------|------------------------|
| 0 - white | 1 - black |
| 2 - blue | 4 - red |
| 3 - green | 5 - yellow |
| 6 - cyan | 7 - magenta |
| 8 - white | 9 - black |
| 10 - aquamarine | 11 - medium aquamarine |
| 12 - blue | 13 - cadet blue |
| 14 - cornflower blue | 15 - dark slate blue |
| 16 - light blue | 17 - light steel blue |
| 18 - medium blue | 19 - medium slate blue |
| 20 - midnight blue | 21 - navy blue |
| 22 - sky blue | 23 - slate blue |
| 24 - steel blue | 25 - coral |
| 26 - cyan | 27 - firebrick |
| 28 - brown | 29 - sandy brown |
| 30 - gold | 31 - goldenrod |
| 32 - light goldenrod | 33 - green |
| 34 - dark green | 35 - dark olive green |
| 36 - forest green | 37 - lime green |
| 38 - olive drab | 39 - medium sea green |
| 40 - medium spring green | 41 - pale green |
| 42 - sea green | 43 - spring green |
| 44 - yellow green | 45 - dark slate gray |
| 46 - dim gray | 47 - light gray |
| 48 - gray | 49 - khaki |
| 50 - magenta | 51 - maroon |
| 52 - orange | 53 - orchid |

colors

graphics

colors

54 – dark orchid
56 – pink
58 – red
60 – medium violet red
62 – violet red
64 – sienna
66 – thistle
68 – dark turquoise
70 – violet
72 – wheat
74 – green yellow

55 – medium orchid
57 – plum
59 – indian red
61 – orange red
63 – salmon
65 – tan
67 – turquoise
69 – medium turquoise
71 – blue violet
73 – yellow

Colors from 75 to 175 are 101 shades of gray from black to white.