

# cvcolor convert color name or rgb to color name, hsv, rgb, and cmyk

doc generated from the script with `gendoc`

ruby script, version=1.00

## Synopsis

```
cvcolor [colorname...] ['redvalue greenvalue bluevalue'...]
```

## Description

Given one or more color names, or quoted rgb triplets, **cvcolor** will print their rgb, hsv, and cmyk values. An unknown color name is matched against the color database and the any matches are reported.

With no arguments, **cvcolor** will accept one color name or 3 numerical rgb values per line. The rgb values must either be in the range 0..1 or in the range 0..255. **cvcolor** responds with the corresponding (nearest) color name and the rgb, hsv, and cmyk values.

Colors are taken from `/etc/X11/rgb.txt`, but colors with spaces in their names are skipped.

## Examples

```
$ cvcolor DarkOliveGreen OliveDrab '.1 .2 .3' '25 50 75'
DarkOliveGreen
  _____ 0-1 _____ 0-255 _____ 00-ff
RGB: 0.333 0.420 0.184      85 107 47      556b2f
HSV: 82 0.561 0.420
CMYK: 0.086 0.000 0.235 0.580

OliveDrab
  _____ 0-1 _____ 0-255 _____ 00-ff
RGB: 0.420 0.557 0.137     107 142 35     6b8e23
HSV: 79 0.754 0.557
CMYK: 0.137 0.000 0.420 0.443

nearest color: DarkSlateGray
distance: 1.93%
  _____ 0-1 _____ 0-255 _____ 00-ff
RGB: 0.100 0.200 0.300     26 51 77     1a334d
HSV: 210 0.667 0.300
CMYK: 0.200 0.100 0.000 0.700

nearest color: gray20
distance: 1.93%
  _____ 0-1 _____ 0-255 _____ 00-ff
RGB: 0.098 0.196 0.294     25 50 75     19324b
HSV: 210 0.667 0.294
CMYK: 0.196 0.098 0.000 0.706

$ cvcolor olivegreen
unknown color
I know about DarkOliveGreen DarkOliveGreen1 DarkOliveGreen2 DarkOliveGreen3 DarkOliveGreen4

$ cvcolor darkolivegreen
Database: DarkOliveGreen
  _____ 0-1 _____ 0-255 _____ 00-ff
RGB: 0.333 0.420 0.184      85 107 47      556b2f
HSV: 82 0.561 0.420
CMYK: 0.086 0.000 0.235 0.580

$ cvcolor
Blue
Database: blue
  _____ 0-1 _____ 0-255 _____ 00-ff
```

RGB: 0.541 0.169 0.886 138 43 226 8a2be2  
HSV: 271 0.810 0.886  
CMYK: 0.345 0.718 0.000 0.114

.1 .2. .3  
nearest color: DarkSlateGray  
distance: 1.93%  
0-1 0-255 00-ff  
RGB: 0.100 0.200 0.300 26 51 77 1a334d  
HSV: 210 0.667 0.300  
CMYK: 0.200 0.100 0.000 0.700

25.5 51 76.5  
nearest color: DarkSlateGray  
distance: 1.93%  
0-1 0-255 00-ff  
RGB: 0.100 0.200 0.300 26 51 77 1a334d  
HSV: 210 0.667 0.300  
CMYK: 0.200 0.100 0.000 0.700

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