

Converting Colors

RGB(45, 80, 198)

Have a look what the booklet for
RGB(45, 80, 198) contains.

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Color

RGB(45, 80, 198)

Conversions

Conversions Part 1

Format	Color
Hex	2D50C6
RGB	45, 80, 198
RGB Percent	18%, 31%, 78%
CMY	0.8235, 0.6863, 0.2235
CMYK	0.77, 0.60, 0.00, 0.22
HSL	226°, 63%, 48%
HSV	226°, 77%, 78%
XYZ	14.1439, 10.3724, 54.6827
YIQ	82.9870, -58.7380, 29.2780

Conversions

Conversions Part 2

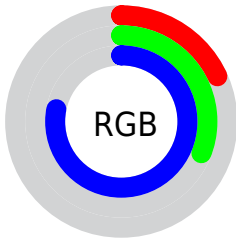
Format	Color
R_{YB}	45, 73, 198
Decimal	2969798
CIE _{Lab}	38.50, 30.03, -65.00
CIE _{LCh}	39, 71.607, 294.799
Yxy	10.3724, 0.1786, 0.1310
Android (android.graphics.Color)	4281159878 (0xFF2D50C6)
YUV	82.9870, 56.7014, -33.3146
Hunter-Lab	32.2063, 22.0302, -78.1236

Details

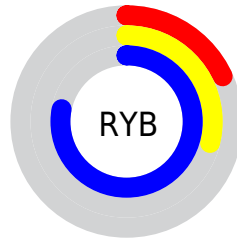
The RGB color **45, 80, 198** is a dark color, and the websafe version is hex **003399**. The color can be described as dark muted blue. A complement of this color would be **198, 163, 45**, and the grayscale version is **82, 82, 82**.

A 20% lighter version of the original color is **114, 129, 255**, and **0, 37, 143** is the 20% darker color. If you saturate the color by 10%, you get **25, 65, 198**, and if you desaturate by 10%, it is **65, 95, 198**.

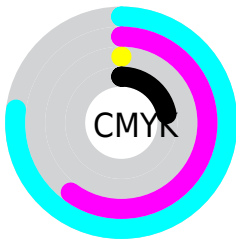
Distribution



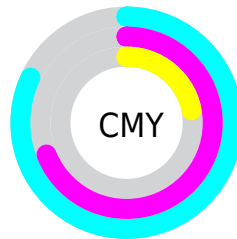
- Red (18%)
- Green (31%)
- Blue (78%)



- Red (18%)
- Yellow (29%)
- Blue (78%)



- Cyan (77%)
- Magenta (60%)
- Yellow (0%)
- Black (22%)



- Cyan (82%)
- Magenta (69%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RGB color 45, 80, 198 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RGB color 45, 80, 198 by changing the saturation by 10% instead.

■ 45, 80, 198

■ 45, 80, 198

255, 255, 255

■ 0, 57, 170

■ 114, 129, 255

■ 0, 37, 143

■ 145, 155, 255

■ 0, 18, 117

■ 175, 181, 255

■ 0, 0, 91

■ 205, 209, 255

■ 0, 7, 67

■ 235, 237, 255

■ 0, 3, 43

■ 0, 1, 22

■ 0, 0, 0

■ 45, 80, 198

■ 45, 80, 198

■ 25, 65, 198

■ 65, 95, 198

■ 5, 49, 198

■ 85, 111, 198

■ 0, 45, 198

■ 104, 126, 198

■ 124, 141, 198

■ 144, 156, 198

■ 164, 172, 198

■ 184, 187, 198

■ 203, 202, 198

■ 223, 217, 198

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0, 102, 208



45, 80, 198



148, 41, 159

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45, 80, 198



161, 56, 0



0, 113, 78

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45, 80, 198



198, 163, 45

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



0, 110, 7



45, 80, 198



120, 85, 0

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45, 80, 198



185, 0, 46



64, 101, 0



0, 114, 138

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45, 80, 198



176, 0, 123



64, 101, 0



0, 112, 58

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45, 80, 198



196, 210, 255



45, 198, 162



92, 100, 128



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45, 80, 198



18, 72, 255



86, 45, 198



90, 92, 99



0, 37, 163



0, 8, 36

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



198, 45, 80



255, 18, 72



157, 198, 45



99, 90, 92



163, 0, 37



36, 0, 8

Previews

White Background



This preview shows how the RGB color 45, 80, 198 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 45, 80, 198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

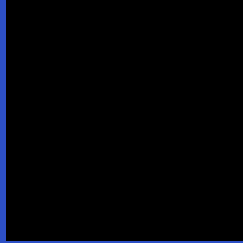
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 45, 80, 198 Background



This preview shows how black text looks on a background with the RGB color 45, 80, 198.

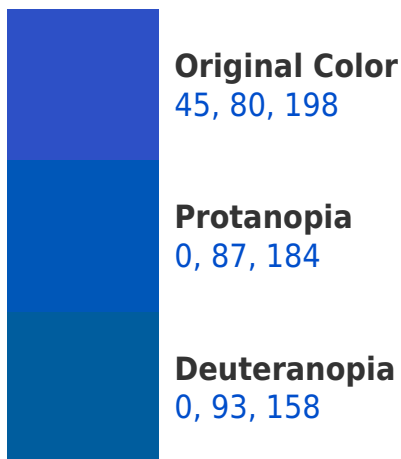


This preview shows how white text looks on a background with the RGB color 45, 80, 198.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
0, 100, 107

Trichromacy



Original Color

45, 80, 198

Protanomaly

16, 84, 189

Deuteranomaly

16, 88, 173

Tritanomaly

16, 93, 140

Monochromacy



Original Color

45, 80, 198

Achromatopsia

83, 83, 83

Achromatomaly

69, 82, 125

CSS Examples

Text

The CSS property to change the color of the text to RGB 45, 80, 198 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(45, 80, 198)` looks like.

```
.text, #text, p{  
    color:rgb(45, 80, 198)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(45, 80, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 80, 198) }
```

Border

The CSS property to change the border of an element to RGB 45, 80, 198 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(45, 80, 198) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(45, 80, 198) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(45, 80, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 80, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 80, 198);  
box-shadow:4px 4px 4px 4px rgb(45, 80,  
198) }
```

Background

The CSS property to change the background color of an element to RGB 45, 80, 198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 80, 198) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(45, 80,  
198) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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