

Converting Colors

RGB(45, 76, 177)

Have a look what the booklet for
RGB(45, 76, 177) contains.

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Color

RGB(45, 76, 177)

Conversions

Conversions Part 1

Format	Color
Hex	2D4CB1
RGB	45, 76, 177
RGB Percent	18%, 30%, 69%
CMY	0.8235, 0.7020, 0.3059
CMYK	0.75, 0.57, 0.00, 0.31
HSL	226°, 59%, 44%
HSV	226°, 75%, 69%
XYZ	11.6024, 8.9011, 42.7015
YIQ	78.2450, -50.8970, 24.8390

Conversions

Conversions Part 2

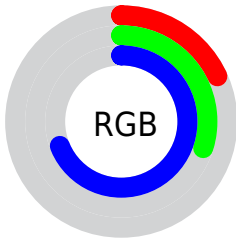
Format	Color
R_{YB}	45, 70, 177
Decimal	2968753
CIE _{Lab}	35.79, 24.79, -57.10
CIE _{LCh}	36, 62.243, 293.466
Yxy	8.9011, 0.1836, 0.1408
Android (android.graphics.Color)	4281158833 (0xFF2D4CB1)
YUV	78.2450, 48.6862, -29.1559
Hunter-Lab	29.8347, 17.2063, -63.9758

Details

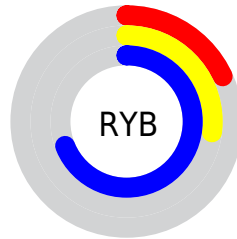
The RGB color **45, 76, 177** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **177, 146, 45**, and the grayscale version is **78, 78, 78**.

A 20% lighter version of the original color is **109, 124, 233**, and **0, 33, 123** is the 20% darker color. If you saturate the color by 10%, you get **27, 62, 177**, and if you desaturate by 10%, it is **63, 90, 177**.

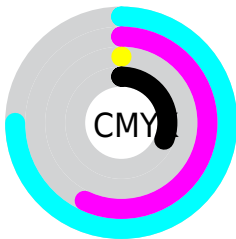
Distribution



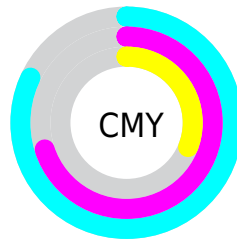
- Red (18%)
- Green (30%)
- Blue (69%)



- Red (18%)
- Yellow (27%)
- Blue (69%)



- Cyan (75%)
- Magenta (57%)
- Yellow (0%)
- Black (31%)



- Cyan (82%)
- Magenta (70%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the RGB color 45, 76, 177 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, 76, 177 by changing the saturation by 10% instead.

 45, 76, 177  45, 76, 177

255, 255, 255  0, 54, 150

 109, 124, 233  0, 33, 123


 139, 150, 255  0, 14, 98

 168, 177, 255  0, 3, 73

 198, 204, 255  0, 4, 50

 227, 232, 255  0, 1, 28

 0, 0, 0

 45, 76, 177  45, 76, 177

 27, 62, 177  63, 90, 177

■ 10, 49, 177

■ 80, 103, 177

■ 0, 42, 177

■ 98, 117, 177

■ 116, 130, 177

■ 134, 144, 177

■ 151, 157, 177

■ 169, 171, 177

■ 187, 184, 177

■ 204, 198, 177

Harmonies

Analogous

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



0, 94, 185



45, 76, 177



132, 47, 144

Triad

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



45, 76, 177



147, 54, 0



0, 104, 71

Complementary

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



45, 76, 177



177, 146, 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, 101, 14



45, 76, 177



113, 78, 0

Square

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



45, 76, 177



167, 18, 48



66, 93, 0



0, 105, 123

Rectangle

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



45, 76, 177



157, 20, 114



66, 93, 0



0, 103, 54

Sweetspot

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



45, 76, 177



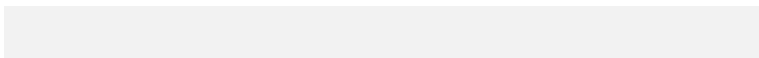
179, 191, 230



45, 177, 144



85, 92, 115



242, 242, 242



115, 115, 115

Same Dimension

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



45, 76, 177



25, 73, 230



78, 45, 177



80, 82, 89



0, 36, 153



0, 6, 26

Inverse Universe

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



177, 45, 76



230, 25, 73



144, 177, 45



89, 80, 82



153, 0, 36



26, 0, 6

Previews

White Background



This preview shows how the RGB color 45, 76, 177 looks on a white background.

Color Contrast Check

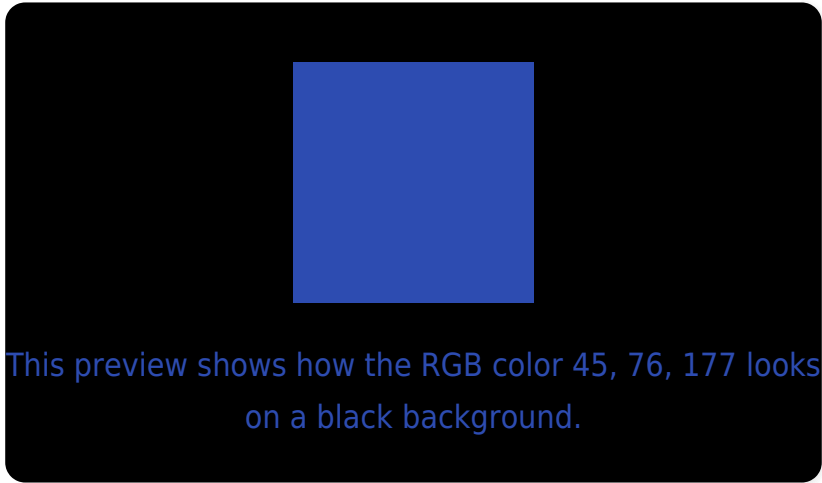
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

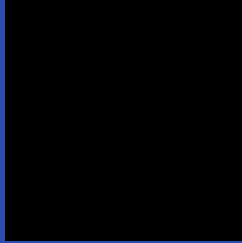
Any Text WCAG AA × Fail

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, 76, 177 Background



This preview shows how black text looks on a background with the RGB color 45, 76, 177.

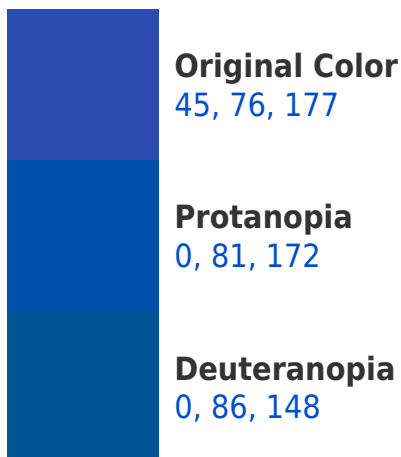


This preview shows how white text looks on a background with the RGB color 45, 76, 177.

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, 93, 100

Trichromacy



Original Color

45, 76, 177

Protanomaly

16, 79, 174

Deuteranomaly

16, 82, 159

Tritanomaly

16, 87, 128

Monochromacy



Original Color

45, 76, 177

Achromatopsia

78, 78, 78

Achromatomaly

66, 77, 114

CSS Examples

Text

The CSS property to change the color of the text to RGB 45, 76, 177 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, 76, 177)` looks like.

```
.text, #text, p{  
    color:rgb(45, 76, 177)  
}
```

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, 76, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 76, 177) }
```

Border

The CSS property to change the border of an element to RGB 45, 76, 177 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, 76, 177) }
```

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

```
.border{ border-color:rgb(45, 76, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 76, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 76, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 76, 177);  
box-shadow:4px 4px 4px 4px rgb(45, 76,  
177) }
```

Background

The CSS property to change the background color of an element to RGB 45, 76, 177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 76, 177) }
```

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

```
.background{ background-color: rgb(45, 76,  
177) }
```

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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