

Converting Colors

RGB(45, 67, 146)

Have a look what the booklet for
RGB(45, 67, 146) contains.

RGB(45, 67, 146)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RGB(45, 67, 146)

Conversions

Conversions Part 1

Format	Color
Hex	2D4392
RGB	45, 67, 146
RGB Percent	18%, 26%, 57%
CMY	0.8235, 0.7373, 0.4275
CMYK	0.69, 0.54, 0.00, 0.43
HSL	227°, 53%, 37%
HSV	227°, 69%, 57%
XYZ	8.2776, 6.6475, 28.0409
YIQ	69.4280, -38.4710, 19.9050

Conversions

Conversions Part 2

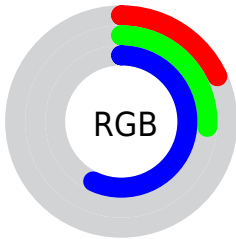
Format	Color
R _Y B	45, 63, 146
Decimal	2966418
CIE Lab	30.99, 19.08, -46.23
CIE LCh	31, 50.011, 292.431
Yxy	6.6475, 0.1927, 0.1547
Android (android.graphics.Color)	4281156498 (0xFF2D4392)
YUV	69.4280, 37.7500, -21.4234
Hunter-Lab	25.7828, 12.1881, -46.4349

Details

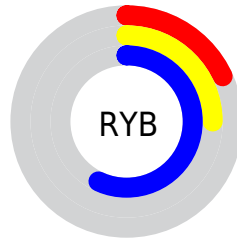
The RGB color **45, 67, 146** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **146, 124, 45**, and the grayscale version is **69, 69, 69**.

A 20% lighter version of the original color is **103, 115, 201**, and **0, 25, 95** is the 20% darker color. If you saturate the color by 10%, you get **30, 56, 146**, and if you desaturate by 10%, it is **60, 78, 146**.

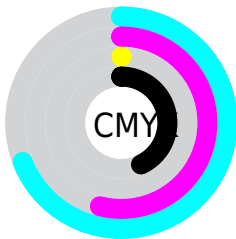
Distribution



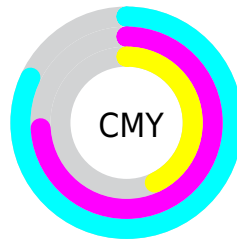
- Red (18%)
- Green (26%)
- Blue (57%)



- Red (18%)
- Yellow (25%)
- Blue (57%)



- Cyan (69%)
- Magenta (54%)
- Yellow (0%)
- Black (43%)



- Cyan (82%)
- Magenta (74%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RGB color 45, 67, 146 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, 67, 146 by changing the saturation by 10% instead.



45, 67, 146



45, 67, 146

255, 255, 255



0, 45, 120



103, 115, 201



0, 25, 95



131, 140, 229



0, 0, 70



159, 166, 255



0, 4, 47



187, 193, 255



0, 1, 25



216, 221, 255



0, 0, 0



246, 250, 255



45, 67, 146



45, 67, 146



30, 56, 146



60, 78, 146

■ 16, 44, 146

■ 74, 90, 146

■ 1, 33, 146

■ 89, 101, 146

■ 0, 32, 146

■ 103, 113, 146

■ 118, 124, 146

■ 133, 136, 146

■ 147, 147, 146

■ 162, 158, 146

■ 176, 170, 146

Harmonies

Analogous

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



0, 81, 151



45, 67, 146



109, 47, 121

Triad

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



45, 67, 146



125, 50, 7



0, 89, 61

Complementary

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



45, 67, 146



146, 124, 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, 86, 20



45, 67, 146



98, 68, 0

Square

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



45, 67, 146



140, 29, 46



62, 80, 0



0, 90, 102

Rectangle

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



45, 67, 146



130, 32, 97



62, 80, 0



0, 89, 48

Sweetspot

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



45, 67, 146



149, 158, 189



45, 146, 122



71, 76, 94



222, 222, 222



94, 94, 94

Same Dimension

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



45, 67, 146



32, 66, 189



72, 45, 146



67, 68, 74



0, 30, 138



0, 2, 10

Inverse Universe

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



146, 45, 67



189, 32, 66



119, 146, 45



74, 67, 68



138, 0, 30



10, 0, 2

Previews

White Background



This preview shows how the RGB color 45, 67, 146 looks on a white background.

Color Contrast Check

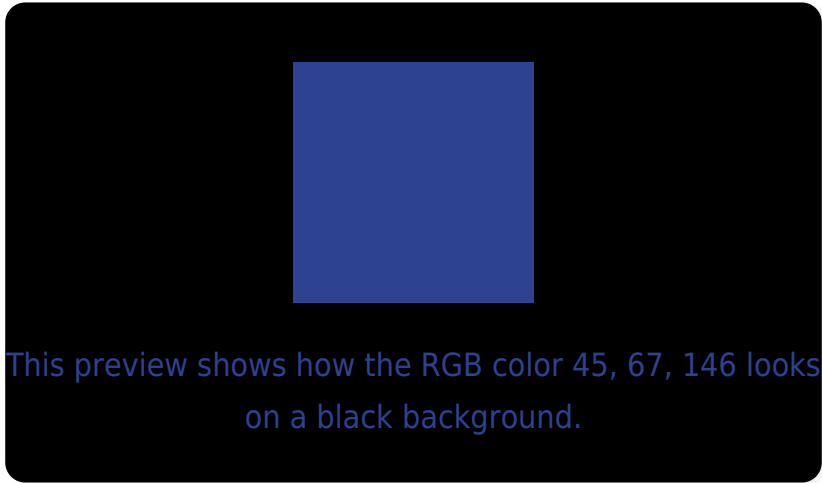
Large Text (above 18pt) WCAG AA ✓ Pass

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

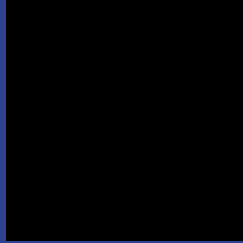
Any Text WCAG AA × Fail

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, 67, 146 Background



This preview shows how black text looks on a background with the RGB color 45, 67, 146.



This preview shows how white text looks on a background with the RGB color 45, 67, 146.

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



Original Color


45, 67, 146

Protanopia

0, 70, 149

Deuteranopia

0, 74, 129



Tritanopia
0, 81, 87

Trichromacy



Original Color

45, 67, 146

Protanomaly

16, 69, 148

Deuteranomaly

16, 71, 135

Tritanomaly

16, 76, 108

Monochromacy



Original Color

45, 67, 146

Achromatopsia

69, 69, 69

Achromatomaly

60, 68, 97

CSS Examples

Text

The CSS property to change the color of the text to RGB 45, 67, 146 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, 67, 146)` looks like.

```
.text, #text, p{  
    color:rgb(45, 67, 146)  
}
```

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, 67, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 67, 146) }
```

Border

The CSS property to change the border of an element to RGB 45, 67, 146 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, 67, 146) }
```

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

```
.border{ border-color:rgb(45, 67, 146) }
```

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

Here you see how a box with a 4 pixel rgb(45, 67, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 67, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 67, 146);  
box-shadow:4px 4px 4px 4px rgb(45, 67,  
146) }
```

Background

The CSS property to change the background color of an element to RGB 45, 67, 146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 67, 146) }
```

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

```
.background{ background-color: rgb(45, 67,  
146) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor