

Converting Colors

`RYB(45, 45, 193)`

Have a look what the booklet for
RYB(45, 45, 193) contains.

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Color

R_YB(45, 45, 193)

Conversions

Conversions Part 1

Format	Color
Hex	2D2DC1
RGB	45, 45, 193
RGB Percent	18%, 18%, 76%
CMY	0.8235, 0.8235, 0.2431
CMYK	0.77, 0.77, 0.00, 0.24
HSL	240°, 62%, 47%
HSV	240°, 77%, 76%
XYZ	11.6462, 6.2849, 51.0514
YIQ	61.8720, -47.5080, 46.0280

Conversions

Conversions Part 2

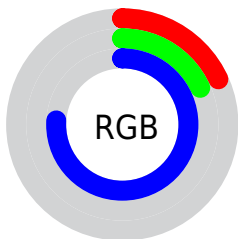
Format	Color
R_YB	45, 45, 193
Decimal	2960833
CIE _{Lab}	30.12, 49.55, -75.86
CIE _{LCh}	30, 90.605, 303.152
Yxy	6.2849, 0.1688, 0.0911
Android (android.graphics.Color)	4281150913 (0xFF2D2DC1)
YUV	61.8720, 64.6461, -14.7967
Hunter-Lab	25.0697, 39.0506, -103.1878

Details

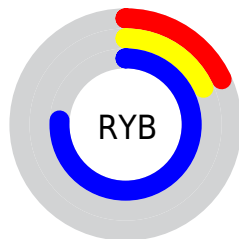
The RYB color **45, 45, 193** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **45, 193, 45**, and the grayscale version is **61, 61, 61**.

A 20% lighter version of the original color is **116, 93, 251**, and **0, 0, 138** is the 20% darker color. If you saturate the color by 10%, you get **26, 26, 193**, and if you desaturate by 10%, it is **64, 64, 193**.

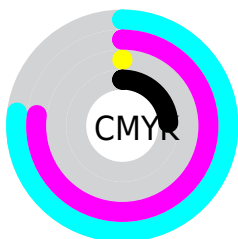
Distribution



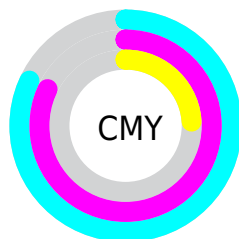
- Red (18%)
- Green (18%)
- Blue (76%)



- Red (18%)
- Yellow (18%)
- Blue (76%)



- Cyan (77%)
- Magenta (77%)
- Yellow (0%)
- Black (24%)



- Cyan (82%)
- Magenta (82%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the RYB color 45, 45, 193 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 RYB color 45, 45, 193 by changing the saturation by 10% instead.


 45, 45, 193

 45, 45, 193


255, 255, 255

 0, 19, 165

 116, 93, 251

 0, 0, 138

 147, 119, 255

 0, 0, 112

 177, 145, 255

 0, 6, 86

 208, 172, 255

 0, 5, 62

 238, 199, 255

 0, 3, 39

 255, 228, 255

 0, 1, 16

 0, 0, 0

 45, 45, 193

 45, 45, 193

■ 26, 26, 193

■ 64, 64, 193

■ 6, 6, 193

■ 84, 84, 193

■ 0, 0, 193

■ 103, 103, 193

■ 122, 122, 193

■ 142, 142, 193

■ 161, 161, 193

■ 180, 180, 193

■ 193, 199, 193

■ 193, 219, 193

Harmonies

Analogous

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



0, 59, 217



45, 45, 193



154, 0, 136

Triad

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



45, 45, 193



135, 47, 0



0, 52, 94

Complementary

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



45, 45, 193



45, 193, 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, 92, 92



45, 45, 193



10, 81, 0

Square

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



45, 45, 193



172, 0, 0



0, 86, 86



0, 58, 148

Rectangle

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



45, 45, 193



178, 0, 90



0, 86, 86



0, 60, 93

Sweetspot

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



45, 45, 193



192, 192, 250



45, 119, 193



90, 90, 125



252, 252, 252



125, 125, 125

Same Dimension

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



45, 45, 193



20, 20, 250



119, 45, 193



87, 87, 97



0, 0, 161



0, 0, 33

Inverse Universe

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



193, 45, 193



250, 20, 250



45, 193, 119



97, 87, 97



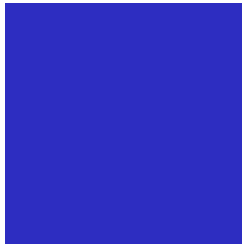
161, 0, 161



33, 0, 33

Previews

White Background



This preview shows how the RYB color 45, 45, 193 looks on a white background.

Color Contrast Check

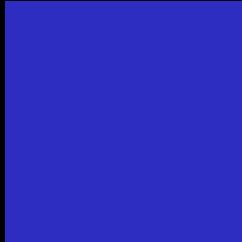
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the RYB color 45, 45, 193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

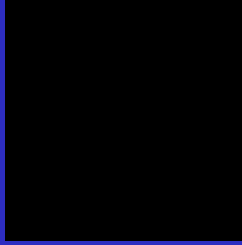
Any Text WCAG AA × Fail

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](#).

RYB 45, 45, 193 Background



This preview shows how black text looks on a background with the RYB color 45, 45, 193.

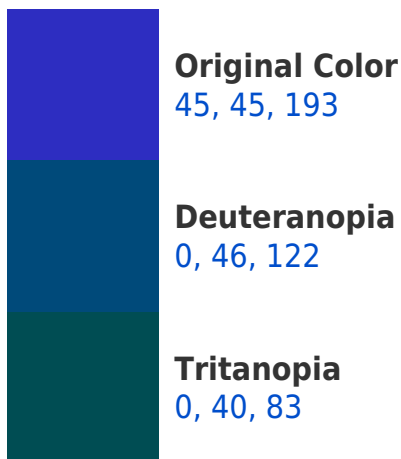


This preview shows how white text looks on a background with the RYB color 45, 45, 193.

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



Trichromacy



Original Color

45, 45, 193

Deuteranomaly

16, 51, 148

Tritanomaly

16, 51, 123

Monochromacy



Original Color

45, 45, 193

Achromatopsia

62, 62, 62

Achromatomaly

56, 56, 110

CSS Examples

Text

The CSS property to change the color of the text to RYB 45, 45, 193 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, 45, 193)` looks like.

```
.text, #text, p{  
    color:rgb(45, 45, 193)  
}
```

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, 45, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 45, 193) }
```

Border

The CSS property to change the border of an element to RYB 45, 45, 193 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, 45, 193) }
```

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

```
.border{ border-color:rgb(45, 45, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 45, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 45, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 45, 193);  
box-shadow:4px 4px 4px 4px rgb(45, 45,  
193) }
```

Background

The CSS property to change the background color of an element to RYB 45, 45, 193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 45, 193) }
```

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

```
.background{ background-color: rgb(45, 45,  
193) }
```

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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