

# Converting Colors

`RYB(41, 45, 225)`

Have a look what the booklet for  
RYB(41, 45, 225) contains.

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# Color

**R<sub>Y</sub>B(41, 45, 225)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	292DE1
RGB	41, 45, 225
RGB Percent	16%, 18%, 88%
CMY	0.8392, 0.8232, 0.1176
CMYK	0.82, 0.80, 0.00, 0.12
HSL	239°, 75%, 52%
HSV	239°, 82%, 88%
XYZ	15.4468, 7.7912, 71.9239
YIQ	64.3240, -60.1640, 55.1320

# Conversions

## Conversions Part 2

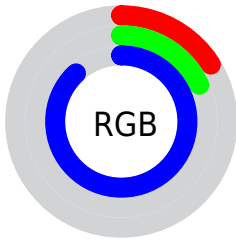
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	41, 45, 225
Decimal	2698721
CIE Lab	33.54, 59.31, -88.76
CIE LCh	34, 106.750, 303.749
Yxy	7.7912, 0.1623, 0.0819
Android (android.graphics.Color)	4280888801 (0xFF292DE1)
YUV	64.3240, 79.2133, -20.4551
Hunter-Lab	27.9128, 49.9340, -133.2359

# Details

The RYB color **41, 45, 225** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **45, 225, 41**, and the grayscale version is **64, 64, 64**.

A 20% lighter version of the original color is **122, 95, 255**, and **0, 0, 168** is the 20% darker color. If you saturate the color by 10%, you get **18, 23, 225**, and if you desaturate by 10%, it is **63, 67, 225**.

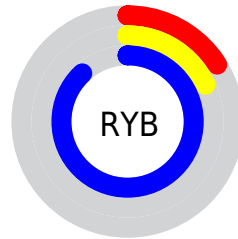
# Distribution



 Red (16%)

 Green (18%)

 Blue (88%)




 Red (16%)

 Yellow (18%)

 Blue (88%)

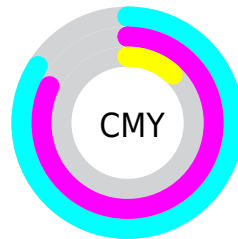



 Cyan (82%)

 Magenta (80%)

 Yellow (0%)

 Black (12%)



 Cyan (84%)

 Magenta (82%)

 Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 41, 45, 225 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 41, 45, 225 by changing the saturation by 10% instead.





41, 45, 225



41, 45, 225

255, 255, 255



0, 18, 196



122, 95, 255



0, 0, 168



154, 121, 255



0, 0, 141



186, 147, 255



0, 0, 114



218, 175, 255



0, 11, 88



250, 203, 255



0, 6, 64



255, 231, 255



0, 3, 41



0, 1, 19



0, 0, 0

■ 41, 45, 225

■ 41, 45, 225

■ 18, 23, 225

■ 63, 67, 225

■ 0, 5, 225

■ 86, 89, 225

■ 108, 111, 225

■ 131, 133, 225

■ 153, 155, 225

■ 176, 177, 225

■ 198, 199, 225

■ 221, 221, 225

■ 225, 243, 225

# Harmonies

## Analogous

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



0, 68, 255



41, 45, 225



179, 0, 156

# Triad

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



41, 45, 225



153, 42, 0



0, 57, 105

# Complementary

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



41, 45, 225



45, 225, 41

# 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, 103, 103



41, 45, 225



9, 88, 0

# Square

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



41, 45, 225



197, 0, 0



0, 97, 97



0, 67, 174

# Rectangle

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



41, 45, 225



207, 0, 101



0, 97, 97



0, 67, 104



# Sweetspot

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



41, 45, 225



191, 193, 255



41, 135, 225



89, 90, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



41, 45, 225



5, 11, 255



127, 41, 225



101, 101, 112



0, 4, 176



0, 1, 48



# Inverse Universe

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



225, 41, 45



255, 5, 11



41, 225, 127



112, 101, 101



176, 0, 4

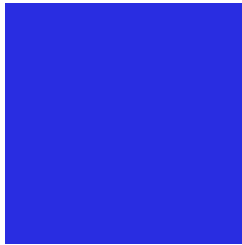


48, 0, 1



# Previews

## White Background



This preview shows how the RYB color 41, 45, 225 looks on a white background.

## Color Contrast Check

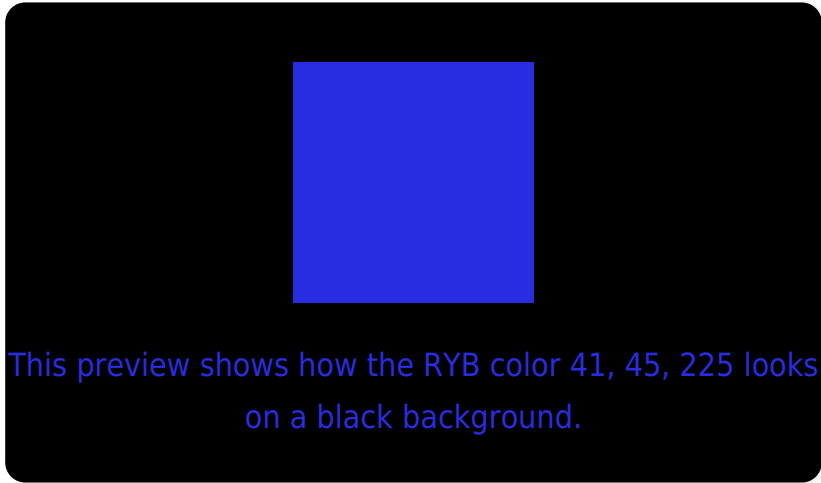
Large Text (above 18pt) WCAG AA ✓ Pass

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

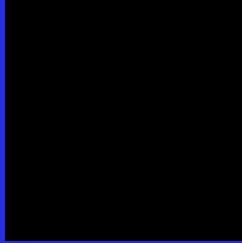
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## R Y B 41, 45, 225 Background



This preview shows how black text looks on a background with the R Y B color 41, 45, 225.



This preview shows how white text looks on a background with the R Y B color 41, 45, 225.

# 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**


41, 45, 225

**Protanopia**

0, 51, 159

**Deuteranopia**

0, 51, 135



**Tritanopia**  
0, 44, 91

# Trichromacy



**Original Color**  
41, 45, 225

**Protanomaly**  
15, 54, 183

**Deuteranomaly**  
15, 54, 168

**Tritanomaly**  
15, 54, 140

# Monochromacy



**Original Color**  
41, 45, 225

**Achromatopsia**  
64, 64, 64

**Achromatomaly**  
56, 57, 123

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 41, 45, 225 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(41, 45, 225)` looks like.

```
.text, #text, p{  
    color:rgb(41, 45, 225)  
}
```

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(41, 45, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 45, 225) }
```

## Border

The CSS property to change the border of an element to RYB 41, 45, 225 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(41, 45, 225) }
```

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

```
.border{ border-color:rgb(41, 45, 225) }
```

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

Here you see how a box with a 4 pixel rgb(41, 45, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 45, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 45, 225);  
box-shadow:4px 4px 4px 4px rgb(41, 45,  
225) }
```

# Background

The CSS property to change the background color of an element to RYB 41, 45, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 45, 225) }
```

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

```
.background{ background-color: rgb(41, 45,  
225) }
```

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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