

Converting Colors

RGB(49, 45, 225)

Have a look what the booklet for
RGB(49, 45, 225) contains.

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Color

RGB(49, 45, 225)

Conversions

Conversions Part 1

Format	Color
Hex	312DE1
RGB	49, 45, 225
RGB Percent	19%, 18%, 88%
CMY	0.8078, 0.8235, 0.1176
CMYK	0.78, 0.80, 0.00, 0.12
HSL	241°, 75%, 53%
HSV	241°, 80%, 88%
XYZ	15.7956, 7.9660, 71.9392
YIQ	66.7160, -55.3960, 56.8280

Conversions

Conversions Part 2

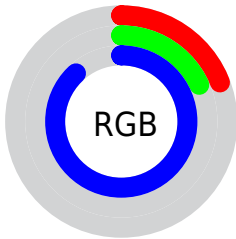
Format	Color
R_{YB}	49, 45, 225
Decimal	3223009
CIE _{Lab}	33.91, 59.76, -88.14
CIE _{LCh}	34, 106.487, 304.138
Yxy	7.9660, 0.1651, 0.0832
Android (android.graphics.Color)	4281413089 (0xFF312DE1)
YUV	66.7160, 78.0340, -15.5369
Hunter-Lab	28.2241, 50.5055, -131.3651

Details

The RGB color **49, 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 **221, 225, 45**, and the grayscale version is **66, 66, 66**.

A 20% lighter version of the original color is **126, 95, 255**, and **0, 0, 168** is the 20% darker color. If you saturate the color by 10%, you get **27, 22, 225**, and if you desaturate by 10%, it is **71, 68, 225**.

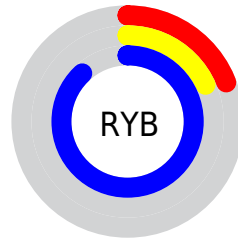
Distribution



Red (19%)

Green (18%)

Blue (88%)



Red (19%)

Yellow (18%)

Blue (88%)

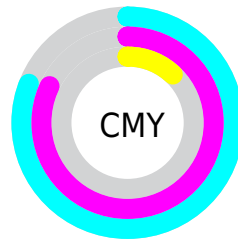


Cyan (78%)

Magenta (80%)

Yellow (0%)

Black (12%)



Cyan (81%)



















Magenta (82%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RGB color 49, 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 RGB color 49, 45, 225 by changing the saturation by 10% instead.

 49, 45, 225	 49, 45, 225
 255, 255, 255	 0, 19, 196
 126, 95, 255	 0, 0, 168
 158, 121, 255	 0, 0, 141
 190, 148, 255	 0, 0, 114
 221, 175, 255	 0, 12, 88
 253, 203, 255	 0, 7, 64
 255, 232, 255	 0, 3, 41
	 0, 1, 19
	 0, 0, 0

■ 49, 45, 225

■ 49, 45, 225

■ 27, 22, 225

■ 71, 68, 225

■ 5, 0, 225

■ 93, 90, 225

■ 115, 113, 225

■ 137, 135, 225

■ 159, 157, 225

■ 181, 180, 225

■ 203, 203, 225

■ 225, 225, 225

■ 247, 248, 225

Harmonies

Analogous

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



0, 92, 255



49, 45, 225



181, 0, 156

Triad

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



49, 45, 225



153, 36, 0



0, 106, 90

Complementary

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



49, 45, 225



221, 225, 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, 104, 0



49, 45, 225



88, 82, 0

Square

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



49, 45, 225



198, 0, 0



0, 98, 0



0, 109, 175

Rectangle

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



49, 45, 225



208, 0, 101



0, 98, 0



0, 105, 60

Sweetspot

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



49, 45, 225



195, 194, 255



45, 222, 225



91, 91, 128



0, 0, 0



128, 128, 128

Same Dimension

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



49, 45, 225



16, 10, 255



138, 45, 225



101, 101, 112



4, 0, 176



1, 0, 48

Inverse Universe

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



225, 45, 221



255, 10, 250



132, 225, 45



112, 101, 112



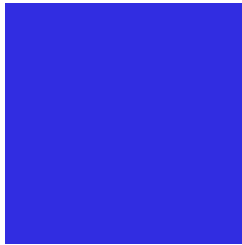
176, 0, 172



48, 0, 47

Previews

White Background



This preview shows how the RGB color 49, 45, 225 looks on a white background.

Color Contrast Check

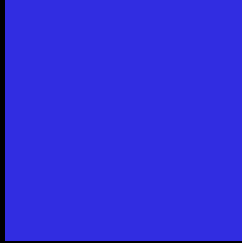
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the RGB color 49, 45, 225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

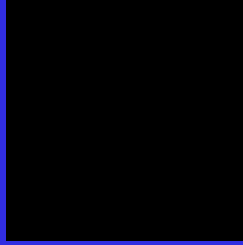
Any Text WCAG AA × Fail

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](#).

RGB 49, 45, 225 Background



This preview shows how black text looks on a background with the RGB color 49, 45, 225.



This preview shows how white text looks on a background with the RGB color 49, 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
49, 45, 225

Protanopia
0, 76, 161

Deuteranopia
0, 82, 136



Tritanopia
0, 88, 93

Trichromacy



Original Color

49, 45, 225

Protanomaly

18, 65, 184

Deuteranomaly

18, 69, 168

Tritanomaly

18, 72, 141

Monochromacy



Original Color

49, 45, 225

Achromatopsia

67, 67, 67

Achromatomaly

60, 59, 124

CSS Examples

Text

The CSS property to change the color of the text to RGB 49, 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(49, 45, 225)` looks like.

```
.text, #text, p{  
    color:rgb(49, 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(49, 45, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 45, 225) }
```

Border

The CSS property to change the border of an element to RGB 49, 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(49, 45, 225) }
```

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

```
.border{ border-color:rgb(49, 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(49, 45, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 45, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 45, 225);  
box-shadow:4px 4px 4px 4px rgb(49, 45,  
225) }
```

Background

The CSS property to change the background color of an element to RGB 49, 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(49, 45, 225) }
```

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

```
.background{ background-color: rgb(49, 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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