

Converting Colors

RGB(37, 67, 233)

Have a look what the booklet for
RGB(37, 67, 233) contains.

RGB(37, 67, 233)	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(37, 67, 233)

Conversions

Conversions Part 1

Format	Color
Hex	2543E9
RGB	37, 67, 233
RGB Percent	15%, 26%, 91%
CMY	0.8549, 0.7373, 0.0863
CMYK	0.84, 0.71, 0.00, 0.09
HSL	231°, 82%, 53%
HSV	231°, 84%, 91%
XYZ	17.4781, 10.2908, 78.1559
YIQ	76.9540, -71.1660, 45.2660

Conversions

Conversions Part 2

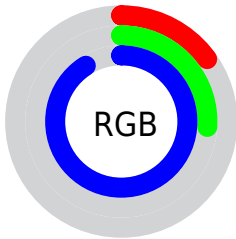
Format	Color
R_{YB}	37, 63, 233
Decimal	2442217
CIE _{Lab}	38.36, 50.02, -85.35
CIE _{LCh}	38, 98.928, 300.374
Yxy	10.2908, 0.1650, 0.0972
Android (android.graphics.Color)	4280632297 (0xFF2543E9)
YUV	76.9540, 76.9307, -35.0397
Hunter-Lab	32.0793, 41.1151, -121.9948

Details

The RGB color **37, 67, 233** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **233, 203, 37**, and the grayscale version is **76, 76, 76**.

A 20% lighter version of the original color is **120, 116, 255**, and **0, 23, 176** is the 20% darker color. If you saturate the color by 10%, you get **14, 47, 233**, and if you desaturate by 10%, it is **60, 87, 233**.

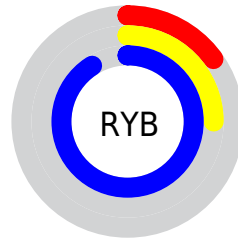
Distribution



Red (15%)

Green (26%)

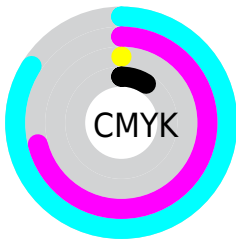
Blue (91%)



Red (15%)

Yellow (25%)

Blue (91%)

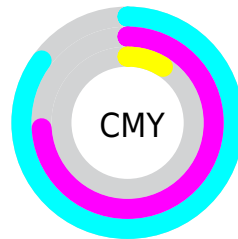


Cyan (84%)

Magenta (71%)

Yellow (0%)

Black (9%)



Cyan (85%)

Magenta (74%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RGB color 37, 67, 233 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 37, 67, 233 by changing the saturation by 10% instead.



37, 67, 233



37, 67, 233

255, 255, 255



0, 44, 204



120, 116, 255



0, 23, 176



153, 142, 255



0, 5, 148



185, 168, 255



0, 0, 121



217, 196, 255



0, 14, 95



248, 224, 255



0, 8, 71



255, 253, 255



0, 4, 47



0, 1, 25



0, 0, 0

■ 37, 67, 233

■ 37, 67, 233

■ 14, 47, 233

■ 60, 87, 233

■ 0, 36, 233

■ 84, 106, 233

■ 107, 126, 233

■ 130, 146, 233

■ 154, 166, 233

■ 177, 185, 233

■ 200, 205, 233

■ 223, 225, 233

■ 247, 245, 233

Harmonies

Analogous

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



0, 104, 255



37, 67, 233



180, 0, 172

Triad

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



37, 67, 233



170, 44, 0



0, 117, 89

Complementary

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



37, 67, 233



233, 203, 37

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, 114, 0



37, 67, 233



110, 89, 0

Square

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



37, 67, 233



209, 0, 15



0, 107, 0



0, 119, 171

Rectangle

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



37, 67, 233



211, 0, 120



0, 107, 0



0, 117, 61

Sweetspot

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



37, 67, 233



191, 201, 255



37, 233, 200



89, 95, 128



0, 0, 0



128, 128, 128

Same Dimension

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



37, 67, 233



0, 39, 255



102, 37, 233



106, 107, 117



0, 28, 181



0, 8, 54

Inverse Universe

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



233, 37, 67



255, 0, 39



168, 233, 37



117, 106, 107



181, 0, 28



54, 0, 8

Previews

White Background



This preview shows how the RGB color 37, 67, 233 looks on a white background.

Color Contrast Check

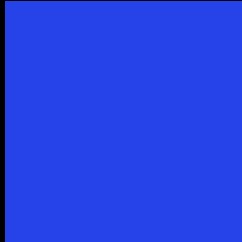
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 37, 67, 233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

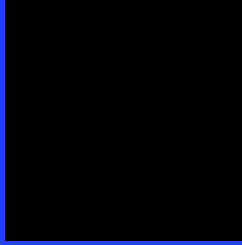
Any Text WCAG AA × Fail

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 37, 67, 233 Background



This preview shows how black text looks on a background with the RGB color 37, 67, 233.

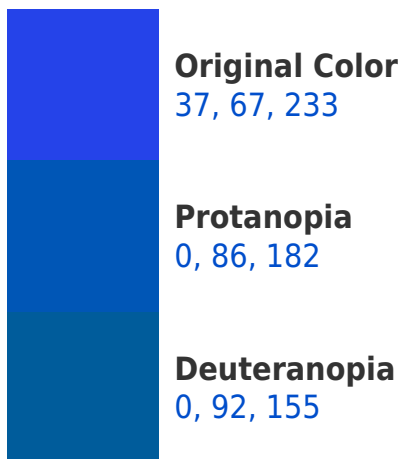


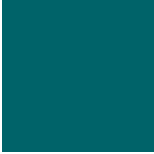
This preview shows how white text looks on a background with the RGB color 37, 67, 233.

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, 99, 105

Trichromacy



Original Color

37, 67, 233

Protanomaly

13, 79, 201

Deuteranomaly

13, 83, 183

Tritanomaly

13, 87, 152

Monochromacy



Original Color

37, 67, 233

Achromatopsia

77, 77, 77

Achromatomaly

62, 73, 134

CSS Examples

Text

The CSS property to change the color of the text to RGB 37, 67, 233 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(37, 67, 233)` looks like.

```
.text, #text, p{  
    color:rgb(37, 67, 233)  
}
```

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(37, 67, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 67, 233) }
```

Border

The CSS property to change the border of an element to RGB 37, 67, 233 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(37, 67, 233) }
```

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

```
.border{ border-color:rgb(37, 67, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 67, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 67, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 67, 233);  
box-shadow:4px 4px 4px 4px rgb(37, 67,  
233) }
```

Background

The CSS property to change the background color of an element to RGB 37, 67, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 67, 233) }
```

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

```
.background{ background-color: rgb(37, 67,  
233) }
```

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