

Converting Colors

`RYB(72, 109, 252)`

Have a look what the booklet for
RYB(72, 109, 252) contains.

RYB(72, 109, 252)	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

R_YB(72, 109, 252)

Conversions

Conversions Part 1

Format	Color
Hex	4877FC
RGB	72, 119, 252
RGB Percent	28%, 47%, 99%
CMY	0.7176, 0.5350, 0.0118
CMYK	0.71, 0.53, 0.00, 0.01
HSL	224°, 97%, 64%
HSV	224°, 71%, 99%
XYZ	26.7893, 21.4983, 94.8331
YIQ	120.1090, -70.7050, 31.3990

Conversions

Conversions Part 2

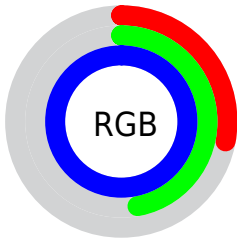
Format	Color
R_{YB}	72, 109, 252
Decimal	4749308
CIE _{Lab}	53.49, 28.30, -71.19
CIE _{LCh}	53, 76.605, 291.679
Yxy	21.4983, 0.1872, 0.1502
Android (android.graphics.Color)	4282939388 (0xFF4877FC)
YUV	120.1090, 65.0223, -42.1916
Hunter-Lab	46.3663, 21.9920, -88.8096

Details

The RYB color **72, 109, 252** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **136, 252, 72**, and the grayscale version is **119, 119, 119**.

A 20% lighter version of the original color is **141, 165, 255**, and **0, 53, 194** is the 20% darker color. If you saturate the color by 10%, you get **47, 89, 252**, and if you desaturate by 10%, it is **97, 129, 252**.

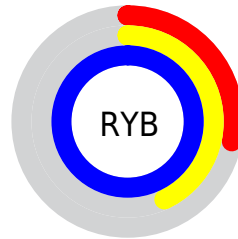
Distribution



Red (28%)

Green (47%)

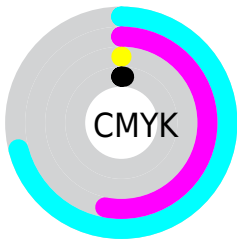
Blue (99%)



Red (28%)

Yellow (43%)

Blue (99%)

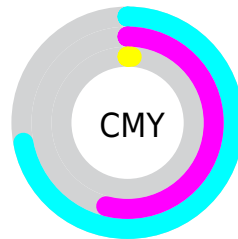


Cyan (71%)

Magenta (53%)

Yellow (0%)

Black (1%)



Cyan (72%)


Magenta (54%)


Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RYB color 72, 109, 252 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 72, 109, 252 by changing the saturation by 10% instead.

 72, 109, 252


 72, 109, 252

255, 255, 255

 17, 73, 223

 141, 164, 255

 0, 52, 194


 172, 191, 255


 0, 38, 167

 203, 218, 255

 0, 25, 139

 235, 245, 255

 0, 10, 113

 0, 11, 88

 0, 5, 63

 0, 3, 40

 0, 1, 18

■ 72, 109, 252

■ 72, 109, 252

■ 47, 89, 252

■ 97, 129, 252

■ 22, 69, 252

■ 122, 149, 252

■ 0, 52, 252

■ 148, 169, 252

■ 173, 189, 252

■ 198, 209, 252

■ 223, 229, 252

■ 248, 249, 252

252, 255, 252

Harmonies

Analogous

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



0, 91, 255



72, 109, 252



187, 83, 211

Triad

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



72, 109, 252



216, 131, 14



0, 92, 155

Complementary

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



72, 109, 252



136, 252, 72

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, 122, 150



72, 109, 252



73, 170, 0

Square

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



72, 109, 252



240, 50, 84



0, 139, 30



0, 82, 175

Rectangle

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



72, 109, 252



223, 56, 171



0, 139, 30



0, 100, 154

Sweetspot

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



72, 109, 252



201, 212, 255



72, 176, 252



96, 102, 128



0, 0, 0



128, 128, 128

Same Dimension

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



72, 109, 252



36, 81, 255



114, 72, 252



112, 115, 125



0, 39, 189



0, 13, 61

Inverse Universe

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



252, 72, 119



255, 36, 92



72, 252, 114



125, 112, 116



189, 0, 49



61, 0, 16

Previews

White Background



This preview shows how the RYB color 72, 109, 252 looks on a white 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

Black Background



This preview shows how the RYB color 72, 109, 252 looks on a black 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

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

RYP 72, 109, 252 Background



This preview shows how black text looks on a background with the RYP color 72, 109, 252.

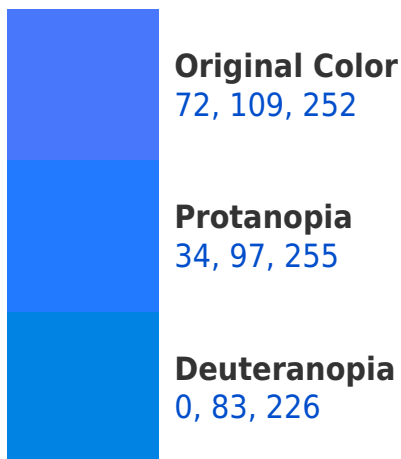


This preview shows how white text looks on a background with the RYP color 72, 109, 252.

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, 73, 151

Trichromacy



Original Color

72, 109, 252

Protanomaly

48, 102, 254

Deuteranomaly

26, 94, 235

Tritanomaly

26, 90, 188

Monochromacy



Original Color

72, 109, 252

Achromatopsia

120, 120, 120

Achromatomaly

103, 116, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 72, 109, 252 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(72, 119, 252)` looks like.

```
.text, #text, p{  
    color:rgb(72, 119, 252)  
}
```

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(72, 119, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 119, 252) }
```

Border

The CSS property to change the border of an element to RYB 72, 109, 252 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(72, 119, 252) }
```

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

```
.border{ border-color:rgb(72, 119, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 119, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 119, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 119, 252);  
box-shadow:4px 4px 4px 4px rgb(72, 119,  
252) }
```

Background

The CSS property to change the background color of an element to RGB 72, 109, 252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 119, 252) }
```

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

```
.background{ background-color: rgb(72, 119,  
252) }
```

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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