

Converting Colors

`RYB(53, 101, 252)`

Have a look what the booklet for
RYB(53, 101, 252) contains.

RYB(53, 101, 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>	28

Color

R_YB(53, 101, 252)

Conversions

Conversions Part 1

Format	Color
Hex	3574FC
RGB	53, 116, 252
RGB Percent	21%, 45%, 99%
CMY	0.7922, 0.5441, 0.0118
CMYK	0.79, 0.54, 0.00, 0.01
HSL	221°, 97%, 60%
HSV	221°, 79%, 99%
XYZ	25.3141, 20.3356, 94.6864
YIQ	112.6670, -81.2040, 28.9400

Conversions

Conversions Part 2

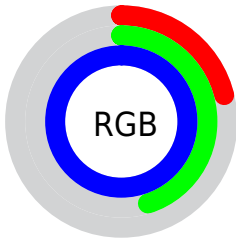
Format	Color
R _Y B	53, 101, 252
Decimal	3503356
CIE Lab	52.21, 27.67, -73.29
CIE LCh	52, 78.337, 290.682
Yxy	20.3356, 0.1804, 0.1449
Android (android.graphics.Color)	4281693436 (0xFF3574FC)
YUV	112.6670, 68.6912, -52.3280
Hunter-Lab	45.0950, 21.2849, -92.9254

Details

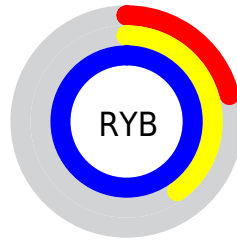
The RYB color **53, 101, 252** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **145, 252, 53**, and the grayscale version is **112, 112, 112**.

A 20% lighter version of the original color is **129, 158, 255**, and **0, 51, 194** is the 20% darker color. If you saturate the color by 10%, you get **28, 82, 252**, and if you desaturate by 10%, it is **78, 120, 252**.

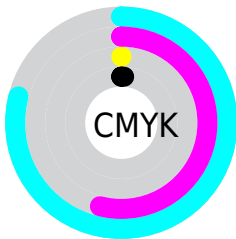
Distribution



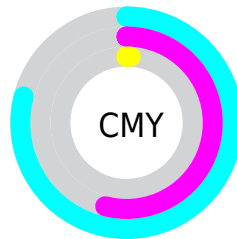
- Red (21%)
- Green (45%)
- Blue (99%)



- Red (21%)
- Yellow (40%)
- Blue (99%)



- Cyan (79%)
- Magenta (54%)
- Yellow (0%)
- Black (1%)



















- Cyan (79%)
- Magenta (54%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RYB color 53, 101, 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 53, 101, 252 by changing the saturation by 10% instead.

 53, 101, 252	 53, 101, 252
 255, 255, 255	 0, 65, 223
 129, 159, 255	 0, 51, 194
 161, 186, 255	 0, 37, 166
 193, 213, 255	 0, 25, 139
 225, 239, 255	 0, 7, 113
	 0, 11, 87
	 0, 5, 63
	 0, 3, 40
	 0, 1, 18

■ 53, 101, 252

■ 53, 101, 252

■ 28, 82, 252

■ 78, 120, 252

■ 3, 63, 252

■ 103, 139, 252

■ 0, 61, 252

■ 129, 159, 252

■ 154, 178, 252

■ 179, 196, 252

■ 204, 215, 252

■ 229, 235, 252

254, 255, 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, 90, 255



53, 101, 252



182, 80, 211

Triad

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



53, 101, 252



214, 123, 8



0, 91, 152

Complementary

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



53, 101, 252



145, 252, 53

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, 125, 146



53, 101, 252



80, 168, 0

Square

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



53, 101, 252



239, 39, 82



0, 135, 28



0, 81, 170

Rectangle

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



53, 101, 252



220, 49, 171



0, 135, 28



0, 100, 151

Sweetspot

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



53, 101, 252



194, 208, 255



53, 172, 252



91, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



53, 101, 252



13, 71, 255



86, 53, 252



112, 115, 125



0, 46, 189



0, 14, 61

Inverse Universe

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



252, 53, 116



255, 13, 90



53, 252, 86



125, 112, 116



189, 0, 60



61, 0, 19

Previews

White Background



This preview shows how the RYB color 53, 101, 252 looks on a white background.

Color Contrast Check

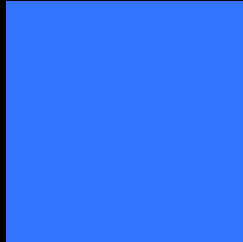
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 101, 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

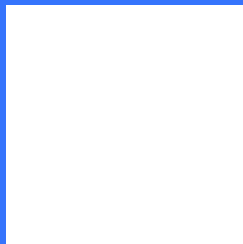
Any Text WCAG AAA × Fail

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

RGB 53, 101, 252 Background



This preview shows how black text looks on a background with the RGB color 53, 101, 252.

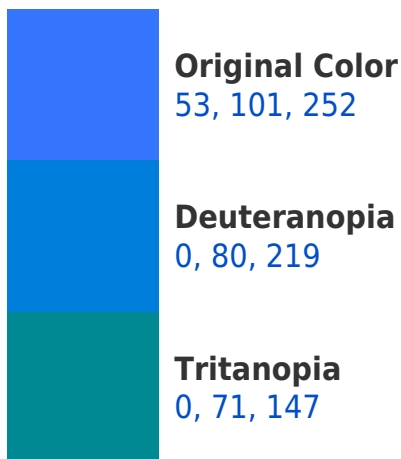


This preview shows how white text looks on a background with the RGB color 53, 101, 252.

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



Trichromacy



Original Color
53, 101, 252

Deuteranomaly
19, 88, 231

Tritanomaly
19, 85, 185

Monochromacy



Original Color
53, 101, 252

Achromatopsia
113, 113, 113

Achromatomaly
91, 108, 164

CSS Examples

Text

The CSS property to change the color of the text to RYB 53, 101, 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(53, 116, 252)` looks like.

```
.text, #text, p{  
    color:rgb(53, 116, 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(53, 116, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 116, 252) }
```

Border

The CSS property to change the border of an element to RYB 53, 101, 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(53, 116, 252) }
```

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

```
.border{ border-color:rgb(53, 116, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 116, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 116, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 116, 252);  
box-shadow:4px 4px 4px 4px rgb(53, 116,  
252) }
```

Background

The CSS property to change the background color of an element to RGB 53, 101, 252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 116, 252) }
```

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

```
.background{ background-color: rgb(53, 116,  
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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