

Converting Colors

`RYB(51, 100, 253)`

Have a look what the booklet for
RYB(51, 100, 253) contains.

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Color

R_YB(51, 100, 253)

Conversions

Conversions Part 1

Format	Color
Hex	3374FD
RGB	51, 116, 253
RGB Percent	20%, 45%, 99%
CMY	0.8000, 0.5463, 0.0078
CMYK	0.80, 0.54, 0.00, 0.01
HSL	221°, 98%, 60%
HSV	221°, 80%, 99%
XYZ	25.3049, 20.2157, 95.4968
YIQ	112.1830, -82.7170, 28.8270

Conversions

Conversions Part 2

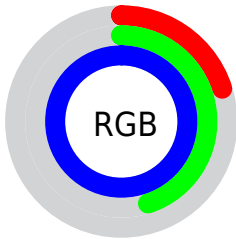
Format	Color
R _Y B	51, 100, 253
Decimal	3372285
CIE Lab	52.08, 28.21, -74.06
CIE LCh	52, 79.253, 290.849
Yxy	20.2157, 0.1794, 0.1434
Android (android.graphics.Color)	4281562365 (0xFF3374FD)
YUV	112.1830, 69.4228, -53.6575
Hunter-Lab	44.9619, 21.7778, -94.4556

Details

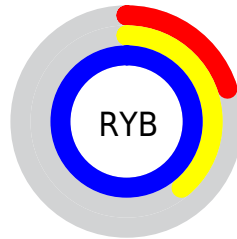
The RYB color **51, 100, 253** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **147, 253, 51**, and the grayscale version is **111, 111, 111**.

A 20% lighter version of the original color is **128, 158, 255**, and **0, 51, 195** is the 20% darker color. If you saturate the color by 10%, you get **26, 81, 253**, and if you desaturate by 10%, it is **76, 119, 253**.

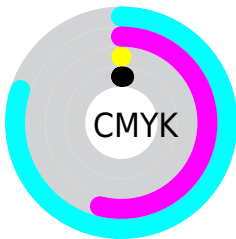
Distribution



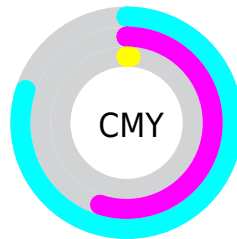
- Red (20%)
- Green (45%)
- Blue (99%)



- Red (20%)
- Yellow (39%)
- Blue (99%)



- Cyan (80%)
- Magenta (54%)
- Yellow (0%)
- Black (1%)




- Cyan (80%)
- Magenta (55%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the RYB color 51, 100, 253 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 51, 100, 253 by changing the saturation by 10% instead.

 51, 100, 253


255, 255, 255

 128, 158, 255

 161, 185, 255


 192, 212, 255

 224, 238, 255

 51, 100, 253


 0, 65, 224

 0, 51, 195

 0, 37, 167

 0, 24, 140

 0, 7, 114

 0, 11, 88

 0, 6, 64

 0, 3, 41

 0, 1, 19

■ 51, 100, 253

■ 51, 100, 253

■ 26, 81, 253

■ 76, 119, 253

■ 0, 61, 253

■ 102, 138, 253

■ 127, 157, 253

■ 152, 176, 253

■ 178, 196, 253

■ 203, 215, 253

■ 228, 234, 253

■ 253, 253, 253

253, 255, 253

Harmonies

Analogous

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



0, 90, 255



51, 100, 253



183, 78, 211

Triad

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



51, 100, 253



214, 126, 4



0, 92, 152

Complementary

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



51, 100, 253



147, 253, 51

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, 127, 146



51, 100, 253



80, 168, 0

Square

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



51, 100, 253



239, 36, 81



0, 135, 29



0, 81, 171

Rectangle

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



51, 100, 253



221, 46, 170



0, 135, 29



0, 100, 150

Sweetspot

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



51, 100, 253



194, 208, 255



51, 172, 253



91, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



51, 100, 253



10, 70, 255



85, 51, 253



115, 118, 128



0, 46, 191



0, 15, 64

Inverse Universe

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



253, 51, 116



255, 10, 89



51, 253, 85



128, 115, 119



191, 0, 61



64, 0, 20

Previews

White Background



This preview shows how the RYB color 51, 100, 253 looks on a white background.

Color Contrast Check

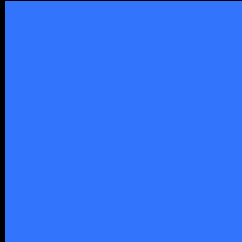
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 100, 253 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

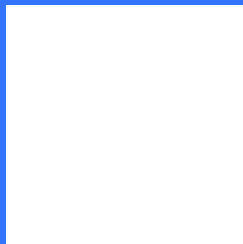
Any Text WCAG AAA × Fail

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

RYB 51, 100, 253 Background



This preview shows how black text looks on a background with the RYB color 51, 100, 253.

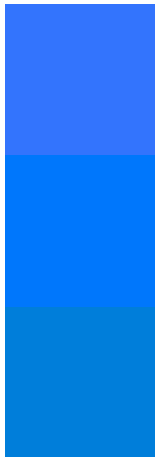


This preview shows how white text looks on a background with the RYB color 51, 100, 253.

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
51, 100, 253

Protanopia
0, 81, 252

Deuteranopia
0, 80, 218



Tritanopia
0, 71, 146

Trichromacy



Original Color

51, 100, 253

Protanomaly

19, 88, 252

Deuteranomaly

19, 88, 231

Tritanomaly

19, 85, 185

Monochromacy



Original Color

51, 100, 253

Achromatopsia

112, 112, 112

Achromatomaly

90, 107, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 51, 100, 253 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(51, 116, 253)` looks like.

```
.text, #text, p{  
    color:rgb(51, 116, 253)  
}
```

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(51, 116, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 116, 253) }
```

Border

The CSS property to change the border of an element to RYB 51, 100, 253 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(51, 116, 253) }
```

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

```
.border{ border-color:rgb(51, 116, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 116, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 116, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 116, 253);  
box-shadow:4px 4px 4px 4px rgb(51, 116,  
253) }
```

Background

The CSS property to change the background color of an element to RYB 51, 100, 253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 116, 253) }
```

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

```
.background{ background-color: rgb(51, 116,  
253) }
```

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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