

Converting Colors

`RYB(66, 103, 250)`

Have a look what the booklet for
RYB(66, 103, 250) contains.

RYB(66, 103, 250)	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(66, 103, 250)

Conversions

Conversions Part 1

Format	Color
Hex	4270FA
RGB	66, 112, 250
RGB Percent	26%, 44%, 98%
CMY	0.7412, 0.5596, 0.0196
CMYK	0.74, 0.55, 0.00, 0.02
HSL	225°, 95%, 62%
HSV	225°, 74%, 98%
XYZ	25.3308, 19.7179, 92.9133
YIQ	113.9780, -71.7140, 33.1660

Conversions

Conversions Part 2

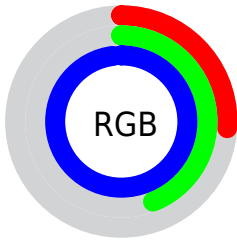
Format	Color
R _{YB}	66, 103, 250
Decimal	4354298
CIE Lab	51.52, 30.75, -73.29
CIE LCh	52, 79.480, 292.758
Yxy	19.7179, 0.1836, 0.1429
Android (android.graphics.Color)	4282544378 (0xFF4270FA)
YUV	113.9780, 67.0588, -42.0767
Hunter-Lab	44.4048, 24.1173, -92.9759

Details

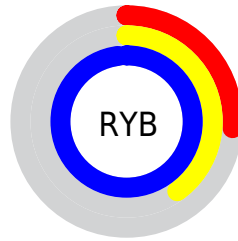
The RYB color **66, 103, 250** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **127, 250, 66**, and the grayscale version is **114, 114, 114**.

A 20% lighter version of the original color is **137, 158, 255**, and **0, 49, 192** is the 20% darker color. If you saturate the color by 10%, you get **41, 83, 250**, and if you desaturate by 10%, it is **91, 123, 250**.

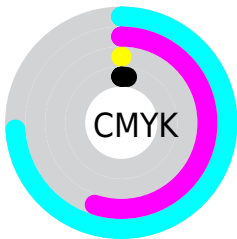
Distribution



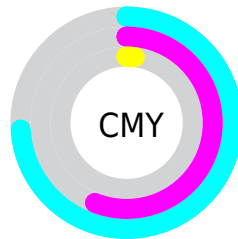
- Red (26%)
- Green (44%)
- Blue (98%)



- Red (26%)
- Yellow (40%)
- Blue (98%)



- Cyan (74%)
- Magenta (55%)
- Yellow (0%)
- Black (2%)





- Cyan (74%)
- Magenta (56%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 66, 103, 250 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 66, 103, 250 by changing the saturation by 10% instead.

 66, 103, 250

 66, 103, 250

255, 255, 255

 0, 63, 221

 137, 159, 255

 0, 49, 192

 168, 186, 255

 0, 35, 165

 200, 214, 255

 0, 22, 137

 231, 241, 255

 0, 2, 111

 0, 11, 86

 0, 5, 61

 0, 3, 39

 0, 1, 16

■ 66, 103, 250

■ 66, 103, 250

■ 41, 83, 250

■ 91, 123, 250

■ 16, 63, 250

■ 116, 143, 250

■ 0, 50, 250

■ 141, 163, 250

■ 166, 183, 250

■ 191, 203, 250

■ 216, 223, 250

■ 241, 243, 250

■ 250, 255, 250

Harmonies

Analogous

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



0, 89, 255



66, 103, 250



186, 73, 206

Triad

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



66, 103, 250



210, 135, 0



0, 89, 150

Complementary

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



66, 103, 250



127, 250, 66

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, 123, 145



66, 103, 250



70, 163, 0

Square

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



66, 103, 250



237, 35, 75



0, 135, 36



0, 81, 174

Rectangle

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



66, 103, 250



222, 40, 165



0, 135, 36



0, 97, 149

Sweetspot

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



66, 103, 250



199, 210, 255



66, 172, 250



94, 101, 128



0, 0, 0



128, 128, 128

Same Dimension

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



66, 103, 250



31, 76, 255



109, 66, 250



112, 115, 125



0, 38, 189



0, 12, 61

Inverse Universe

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



250, 66, 112



255, 31, 87



66, 250, 109



125, 112, 116



189, 0, 47



61, 0, 15

Previews

White Background



This preview shows how the RYB color 66, 103, 250 looks on a white background.

Color Contrast Check

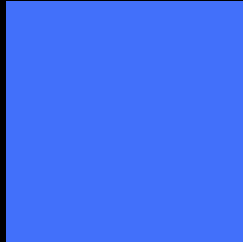
Large Text (above 18pt) WCAG AA ✓ Pass

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 66, 103, 250 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 66, 103, 250 Background



This preview shows how black text looks on a background with the RYB color 66, 103, 250.

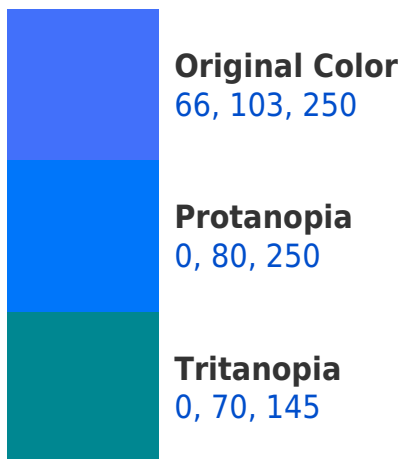


This preview shows how white text looks on a background with the RYB color 66, 103, 250.

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
66, 103, 250

Protanomaly
24, 89, 250

Tritanomaly
24, 87, 183

Monochromacy



Original Color
66, 103, 250

Achromatopsia
114, 114, 114

Achromatomaly
97, 110, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 66, 103, 250 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(66, 112, 250)` looks like.

```
.text, #text, p{  
    color:rgb(66, 112, 250)  
}
```

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(66, 112, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 112, 250) }
```

Border

The CSS property to change the border of an element to RYB 66, 103, 250 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(66, 112, 250) }
```

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

```
.border{ border-color:rgb(66, 112, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 112, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 112, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 112, 250);  
box-shadow:4px 4px 4px 4px rgb(66, 112,  
250) }
```

Background

The CSS property to change the background color of an element to RYB 66, 103, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 112, 250) }
```

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

```
.background{ background-color: rgb(66, 112,  
250) }
```

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