

Converting Colors

`RYB(80, 151, 251)`

Have a look what the booklet for
RYB(80, 151, 251) contains.

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Color

R_YB(80, 151, 251)

Conversions

Conversions Part 1

Format	Color
Hex	50C9FB
RGB	80, 201, 251
RGB Percent	31%, 79%, 98%
CMY	0.6863, 0.2102, 0.0157
CMYK	0.68, 0.20, 0.00, 0.02
HSL	197°, 96%, 65%
HSV	197°, 68%, 98%
XYZ	41.7032, 50.6352, 98.8424
YIQ	170.5210, -88.1660, -10.1020

Conversions

Conversions Part 2

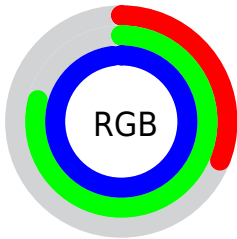
Format	Color
R _{YB}	80, 151, 251
Decimal	5294587
CIE Lab	76.46, -18.58, -34.24
CIE LCh	76, 38.962, 241.510
Yxy	50.6352, 0.2181, 0.2649
Android (android.graphics.Color)	4283484667 (0xFF50C9FB)
YUV	170.5210, 39.6761, -79.3869
Hunter-Lab	71.1584, -19.9153, -32.5457

Details

The RYB color **80, 151, 251** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **251, 151, 80**, and the grayscale version is **170, 170, 170**.

A 20% lighter version of the original color is **146, 201, 255**, and **0, 84, 194** is the 20% darker color. If you saturate the color by 10%, you get **55, 136, 251**, and if you desaturate by 10%, it is **105, 166, 251**.

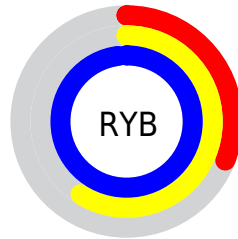
Distribution



Red (31%)

Green (79%)

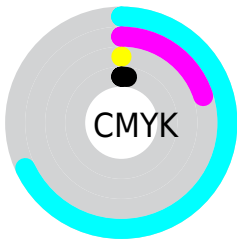
Blue (98%)



Red (31%)

Yellow (59%)

Blue (98%)

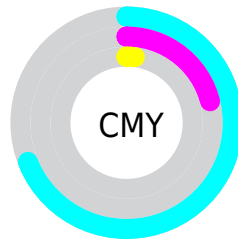


Cyan (68%)

Magenta (20%)

Yellow (0%)

Black (2%)



Cyan (69%)


Magenta (21%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 80, 151, 251 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 80, 151, 251 by changing the saturation by 10% instead.

 80, 151, 251


255, 255, 255


 146, 201, 255

 178, 217, 255

 209, 232, 255

 240, 248, 255

 80, 151, 251


 35, 115, 222

 0, 84, 194

 0, 70, 167

 0, 57, 140

 0, 45, 115

 0, 32, 90

 0, 21, 66

 0, 3, 44

 0, 1, 22

■ 80, 151, 251

■ 80, 151, 251

■ 55, 136, 251

■ 105, 166, 251

■ 30, 122, 251

■ 130, 180, 251

■ 5, 107, 251

■ 155, 195, 251

■ 0, 104, 251

■ 180, 210, 251

■ 205, 224, 251

■ 231, 239, 251

■ 255, 252, 251

■ 251, 255, 251

Harmonies

Analogous

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



47, 131, 225



80, 151, 251



140, 175, 255

Triad

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



80, 151, 251



255, 161, 188



126, 198, 151

Complementary

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



80, 151, 251



251, 151, 80

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.



148, 211, 116



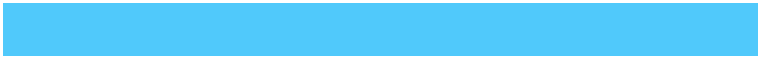
80, 151, 251



255, 165, 153

Square

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



80, 151, 251



236, 167, 224



241, 211, 126



130, 187, 205

Rectangle

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



80, 151, 251



178, 183, 255



241, 211, 126



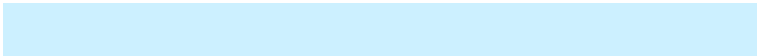
120, 194, 128

Sweetspot

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



80, 151, 251



204, 225, 255



80, 214, 251



97, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



80, 151, 251



46, 133, 255



80, 110, 251



112, 117, 125



0, 78, 189



0, 25, 61

Inverse Universe

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



251, 80, 201



255, 46, 194



127, 251, 80



125, 112, 121



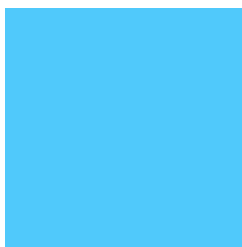
189, 0, 134



61, 0, 43

Previews

White Background



This preview shows how the RYB color 80, 151, 251 looks on a white background.

Color Contrast Check

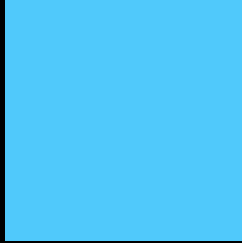
Large Text (above 18pt) WCAG AA × Fail

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 80, 151, 251 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 ✓ Pass

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

RYB 80, 151, 251 Background



This preview shows how black text looks on a background with the RYB color 80, 151, 251.

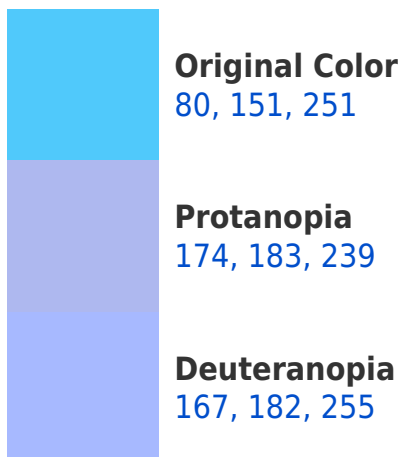


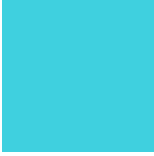
This preview shows how white text looks on a background with the RYB color 80, 151, 251.

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
63, 139, 223

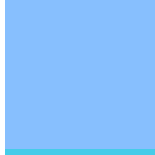
Trichromacy



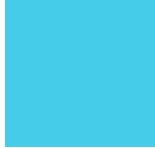
Original Color
80, 151, 251



Protanomaly
140, 174, 243



Deuteranomaly
135, 173, 254



Tritanomaly
69, 143, 233

Monochromacy



Original Color
80, 151, 251



Achromatopsia
171, 171, 171



Achromatomaly
138, 164, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 80, 151, 251 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(80, 201, 251)` looks like.

```
.text, #text, p{  
    color:rgb(80, 201, 251)  
}
```

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(80, 201, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 201, 251) }
```

Border

The CSS property to change the border of an element to RYB 80, 151, 251 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(80, 201, 251) }
```

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

```
.border{ border-color:rgb(80, 201, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 201, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 201, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 201, 251);  
box-shadow:4px 4px 4px 4px rgb(80, 201,  
251) }
```

Background

The CSS property to change the background color of an element to RYB 80, 151, 251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 201, 251) }
```

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

```
.background{ background-color: rgb(80, 201,  
251) }
```

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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