

Converting Colors

`RYB(101, 201, 253)`

Have a look what the booklet for
RYB(101, 201, 253) contains.

RYB(101, 201, 253)	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

`RYB(101, 201, 253)`

Conversions

Conversions Part 1

Format	Color
Hex	65FDB4
RGB	101, 253, 180
RGB Percent	40%, 99%, 71%
CMY	0.6039, 0.0078, 0.2940
CMYK	0.60, 0.00, 0.29, 0.01
HSL	151°, 97%, 69%
HSV	151°, 60%, 99%
XYZ	48.7344, 76.3142, 55.3629
YIQ	199.2300, -67.1590, -54.9270

Conversions

Conversions Part 2

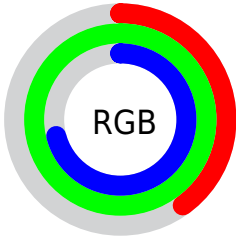
Format	Color
RYB	101, 201, 253
Decimal	6684084
CIELab	90.01, -56.73, 23.14
CIElCh	90, 61.262, 157.811
Yxy	76.3142, 0.2701, 0.4230
Android (android.graphics.Color)	4284874164 (0xFF65FDB4)
YUV	199.2300, -9.4804, -86.1477
Hunter-Lab	87.3580, -53.2967, 23.5757

Details

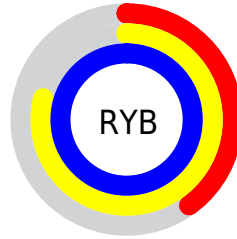
The RYB color **101, 201, 253** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **253, 101, 174**, and the grayscale version is **199, 199, 199**.

A 20% lighter version of the original color is **164, 215, 255**, and **11, 124, 195** is the 20% darker color. If you saturate the color by 10%, you get **76, 192, 253**, and if you desaturate by 10%, it is **126, 210, 253**.

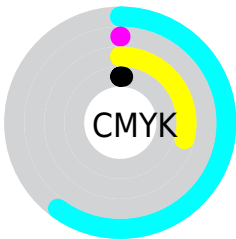
Distribution



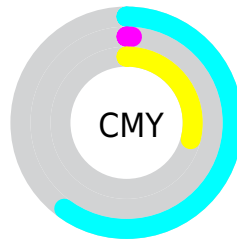
- Red (40%)
- Green (99%)
- Blue (71%)



- Red (40%)
- Yellow (79%)
- Blue (99%)



- Cyan (60%)
- Magenta (0%)
- Yellow (29%)
- Black (1%)



- Cyan (60%)
- Magenta (1%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 101, 201, 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 101, 201, 253 by changing the saturation by 10% instead.

 101, 201, 253


255, 255, 255


 164, 215, 255

 194, 225, 255

 225, 240, 255

 101, 201, 253

 66, 168, 224

 11, 124, 195

 0, 104, 167

 0, 90, 140

 0, 77, 114

 0, 65, 88

 0, 55, 63

 0, 40, 40

 0, 0, 0

■ 101, 201, 253

■ 101, 201, 253

■ 76, 192, 253

■ 126, 210, 253

■ 50, 183, 253

■ 152, 219, 253

■ 25, 175, 253

■ 177, 227, 253

■ 0, 166, 253

■ 202, 235, 253

■ 227, 244, 253

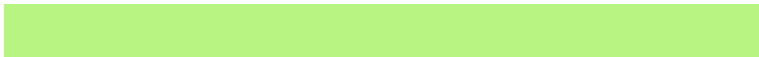
■ 253, 253, 253

■ 255, 253, 255

Harmonies

Analogous

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



130, 244, 190



101, 201, 253



0, 131, 255

Triad

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



101, 201, 253



155, 197, 255



255, 200, 157

Complementary

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



101, 201, 253



253, 101, 174

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.



255, 177, 213



101, 201, 253



251, 205, 255

Square

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



101, 201, 253



0, 125, 255



255, 185, 255



188, 255, 117

Rectangle

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



101, 201, 253



0, 128, 255



255, 185, 255



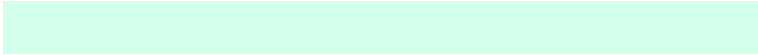
255, 183, 175

Sweetspot

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



101, 201, 253



209, 239, 255



101, 253, 180



99, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



101, 201, 253



71, 192, 255



101, 176, 253



115, 124, 128



0, 126, 191



0, 42, 64

Inverse Universe

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



253, 101, 174



255, 71, 160



253, 104, 101



128, 115, 121



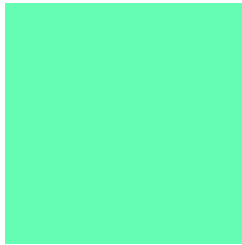
191, 0, 92



64, 0, 31

Previews

White Background



This preview shows how the RYB color 101, 201, 253 looks on a white background.

Color Contrast Check

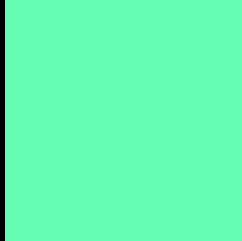
Large Text (above 18pt) WCAG AA × Fail

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 101, 201, 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 ✓ Pass

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

RYB 101, 201, 253 Background



This preview shows how black text looks on a background with the RYB color 101, 201, 253.

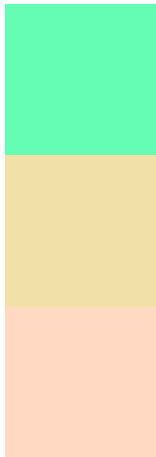


This preview shows how white text looks on a background with the RYB color 101, 201, 253.

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
101, 201, 253

Protanopia
189, 241, 167

Deuteranopia
255, 232, 193



Tritanopia
153, 200, 255

Trichromacy



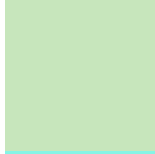
Original Color

101, 201, 253



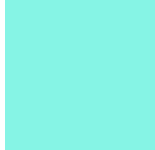
Protanomaly

172, 235, 217



Deuteranomaly

188, 230, 219



Tritanomaly

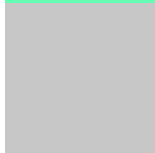
134, 193, 244

Monochromacy



Original Color

101, 201, 253



Achromatopsia

199, 199, 199



Achromatomaly

163, 200, 219

CSS Examples

Text

The CSS property to change the color of the text to RYB 101, 201, 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(101, 253, 180)` looks like.

```
.text, #text, p{  
    color:rgb(101, 253, 180)  
}
```

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(101, 253, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 253, 180) }
```

Border

The CSS property to change the border of an element to RYB 101, 201, 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(101, 253, 180) }
```

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

```
.border{ border-color:rgb(101, 253, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 253, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 253, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 253, 180);  
box-shadow:4px 4px 4px 4px rgb(101, 253,  
180) }
```

Background

The CSS property to change the background color of an element to RYB 101, 201, 253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 253, 180) }
```

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

```
.background{ background-color: rgb(101,  
253, 180) }
```

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