

Converting Colors

`RYB(50, 168, 251)`

Have a look what the booklet for
RYB(50, 168, 251) contains.

RYB(50, 168, 251)	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(50, 168, 251)`

Conversions

Conversions Part 1

Format	Color
Hex	32FBBF
RGB	50, 251, 191
RGB Percent	20%, 98%, 75%
CMY	0.8039, 0.0157, 0.2495
CMYK	0.80, 0.00, 0.24, 0.02
HSL	162°, 96%, 59%
HSV	162°, 80%, 98%
XYZ	45.2586, 73.4509, 61.3026
YIQ	184.0610, -100.5360, -61.2720

Conversions

Conversions Part 2

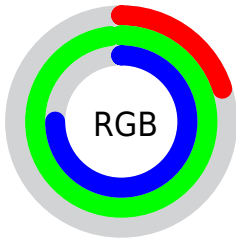
Format	Color
RYB	50, 168, 251
Decimal	3341247
CIELab	88.66, -60.69, 15.31
CIELCh	89, 62.588, 165.845
Yxy	73.4509, 0.2514, 0.4080
Android (android.graphics.Color)	4281531327 (0xFF32FBBF)
YUV	184.0610, 3.4209, -117.5715
Hunter-Lab	85.7035, -55.7182, 17.5831

Details

The RYB color **50, 168, 251** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **251, 50, 110**, and the grayscale version is **184, 184, 184**.

A 20% lighter version of the original color is **129, 194, 255**, and **0, 113, 193** is the 20% darker color. If you saturate the color by 10%, you get **25, 158, 251**, and if you desaturate by 10%, it is **75, 178, 251**.

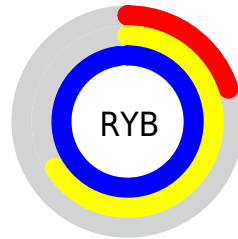
Distribution



Red (20%)

Green (98%)

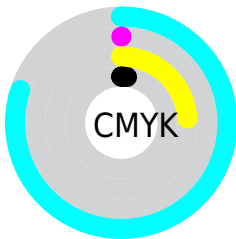
Blue (75%)



Red (20%)

Yellow (66%)

Blue (98%)

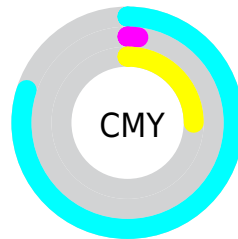


Cyan (80%)

Magenta (0%)

Yellow (24%)

Black (2%)



Cyan (80%)















Magenta (2%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the RYB color 50, 168, 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 50, 168, 251 by changing the saturation by 10% instead.

 50, 168, 251	 50, 168, 251
 255, 255, 255	 0, 128, 222
 129, 194, 255	 0, 113, 193
 162, 209, 255	 0, 98, 165
 194, 225, 255	 0, 84, 138
 226, 241, 255	 0, 70, 111
	 0, 57, 85
	 0, 44, 60
	 0, 36, 36
	 0, 0, 0

■ 50, 168, 251

■ 50, 168, 251

■ 25, 158, 251

■ 75, 178, 251

■ 0, 147, 251

■ 100, 189, 251

■ 125, 199, 251

■ 150, 209, 251

■ 175, 219, 251

■ 201, 230, 251

■ 226, 241, 251

■ 251, 251, 251

■ 255, 251, 255

Harmonies

Analogous

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



136, 243, 220



50, 168, 251



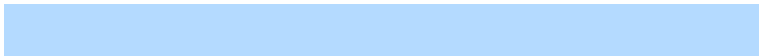
0, 127, 253

Triad

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



50, 168, 251



180, 205, 255



255, 221, 139

Complementary

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



50, 168, 251



251, 50, 110

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, 173, 193



50, 168, 251



255, 194, 255

Square

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



50, 168, 251



0, 123, 255



255, 176, 253



171, 255, 105

Rectangle

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



50, 168, 251



0, 126, 255



255, 176, 253



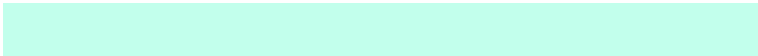
255, 189, 156

Sweetspot

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



50, 168, 251



194, 230, 255



50, 251, 191



91, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



50, 168, 251



10, 154, 255



50, 139, 251



112, 120, 125



0, 111, 189



0, 36, 61

Inverse Universe

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



251, 50, 110



255, 10, 83



251, 100, 50



125, 112, 116



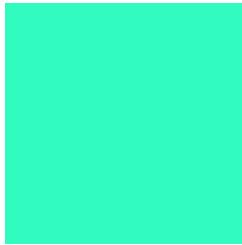
189, 0, 56



61, 0, 18

Previews

White Background



This preview shows how the RYB color 50, 168, 251 looks on a white background.

Color Contrast Check

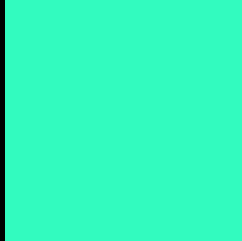
Large Text (above 18pt) WCAG AA × Fail

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 50, 168, 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](#).

RGB 50, 168, 251 Background



This preview shows how black text looks on a background with the RGB color 50, 168, 251.

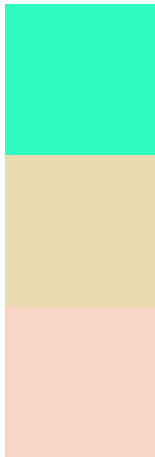


This preview shows how white text looks on a background with the RGB color 50, 168, 251.

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](#).

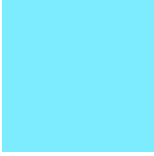
Dichromacy



Original Color
50, 168, 251

Protanopia
194, 234, 176

Deuteranopia
249, 218, 200



Tritanopia
125, 185, 255

Trichromacy



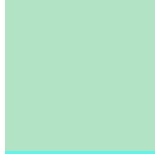
Original Color

50, 168, 251



Protanomaly

167, 219, 231



Deuteranomaly

177, 213, 227



Tritanomaly

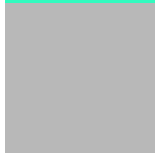
98, 173, 243

Monochromacy



Original Color

50, 168, 251



Achromatopsia

184, 184, 184



Achromatomaly

135, 178, 208

CSS Examples

Text

The CSS property to change the color of the text to RYB 50, 168, 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(50, 251, 191)` looks like.

```
.text, #text, p{  
    color:rgb(50, 251, 191)  
}
```

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(50, 251, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 251, 191) }
```

Border

The CSS property to change the border of an element to RYB 50, 168, 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(50, 251, 191) }
```

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

```
.border{ border-color:rgb(50, 251, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 251, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 251, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 251, 191);  
box-shadow:4px 4px 4px 4px rgb(50, 251,  
191) }
```

Background

The CSS property to change the background color of an element to RGB 50, 168, 251 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 251, 191) }
```

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

```
.background{ background-color: rgb(50, 251,  
191) }
```

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