

Converting Colors

`RYB(51, 174, 247)`

Have a look what the booklet for
RYB(51, 174, 247) contains.

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Color

`RYB(51, 174, 247)`

Conversions

Conversions Part 1

Format	Color
Hex	33F7A7
RGB	51, 247, 167
RGB Percent	20%, 97%, 65%
CMY	0.8000, 0.0314, 0.3438
CMYK	0.79, 0.00, 0.32, 0.03
HSL	156°, 92%, 58%
HSV	156°, 79%, 97%
XYZ	41.6312, 70.0274, 48.0395
YIQ	179.2760, -91.1360, -66.4320

Conversions

Conversions Part 2

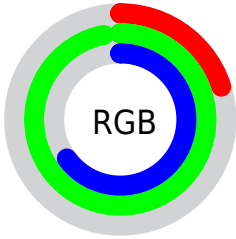
Format	Color
RYB	51, 174, 247
Decimal	3405735
CIELab	87.01, -64.29, 25.35
CIELCh	87, 69.106, 158.482
Yxy	70.0274, 0.2607, 0.4385
Android (android.graphics.Color)	4281595815 (0xFF33F7A7)
YUV	179.2760, -6.0521, -112.4981
Hunter-Lab	83.6824, -57.6421, 24.5411

Details

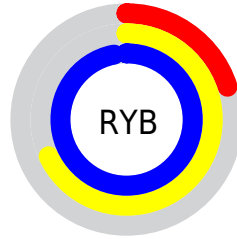
The RYB color **51, 174, 247** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **247, 51, 131**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **128, 201, 255**, and **0, 118, 189** is the 20% darker color. If you saturate the color by 10%, you get **26, 165, 247**, and if you desaturate by 10%, it is **76, 184, 247**.

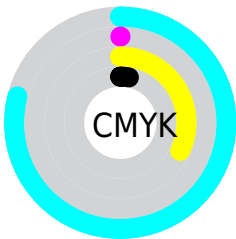
Distribution



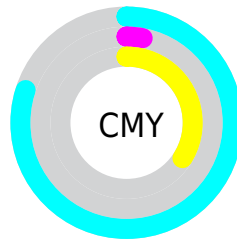
- Red (20%)
- Green (97%)
- Blue (65%)



- Red (20%)
- Yellow (68%)
- Blue (97%)



- Cyan (79%)
- Magenta (0%)
- Yellow (32%)
- Black (3%)



















- Cyan (80%)
- Magenta (3%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 51, 174, 247 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, 174, 247 by changing the saturation by 10% instead.

 51, 174, 247	 51, 174, 247
 255, 255, 255	 0, 132, 218
 128, 201, 255	 0, 118, 189
 161, 209, 255	 0, 103, 161
 193, 224, 255	 0, 90, 134
 224, 240, 255	 0, 76, 107
	 0, 65, 81
	 0, 57, 57
	 0, 32, 32
	 0, 0, 0

■ 51, 174, 247

■ 51, 174, 247

■ 26, 165, 247

■ 76, 184, 247

■ 2, 156, 247

■ 100, 192, 247

■ 0, 155, 247

■ 125, 202, 247

■ 150, 211, 247

■ 175, 220, 247

■ 199, 229, 247

■ 224, 238, 247

■ 249, 247, 248

■ 255, 247, 255

Harmonies

Analogous

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



110, 237, 180



51, 174, 247



0, 130, 251

Triad

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



51, 174, 247



130, 182, 255



255, 186, 140

Complementary

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



51, 174, 247



247, 51, 131

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, 160, 202



51, 174, 247



246, 193, 255

Square

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



51, 174, 247



0, 123, 255



255, 168, 255



183, 255, 93

Rectangle

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



51, 174, 247



0, 126, 255



255, 168, 255



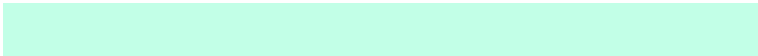
255, 167, 159

Sweetspot

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



51, 174, 247



194, 232, 255



51, 247, 165



91, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



51, 174, 247



13, 165, 255



51, 145, 247



110, 118, 122



0, 117, 186



0, 37, 59

Inverse Universe

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



247, 51, 131



255, 13, 111



247, 68, 51



122, 110, 115



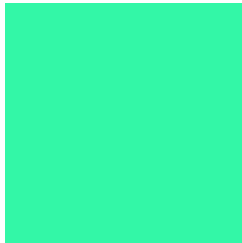
186, 0, 76



59, 0, 24

Previews

White Background



This preview shows how the RYB color 51, 174, 247 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 51, 174, 247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

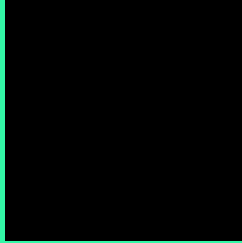
Any Text WCAG AA ✓ Pass

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 51, 174, 247 Background



This preview shows how black text looks on a background with the RGB color 51, 174, 247.

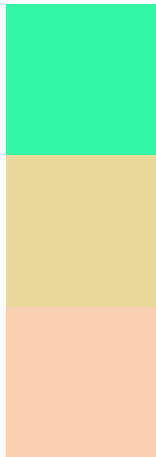


This preview shows how white text looks on a background with the RGB color 51, 174, 247.

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](#).

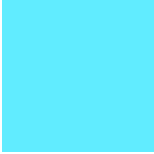
Dichromacy



Original Color
51, 174, 247

Protanopia
176, 233, 154

Deuteranopia
250, 229, 176



Tritanopia
97, 171, 255

Trichromacy



Original Color

51, 174, 247



Protanomaly

159, 227, 219



Deuteranomaly

173, 222, 217



Tritanomaly

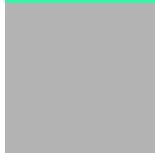
80, 164, 240

Monochromacy



Original Color

51, 174, 247



Achromatopsia

179, 179, 179



Achromatomaly

132, 177, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 51, 174, 247 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, 247, 167)` looks like.

```
.text, #text, p{  
    color:rgb(51, 247, 167)  
}
```

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, 247, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 247, 167) }
```

Border

The CSS property to change the border of an element to RYB 51, 174, 247 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, 247, 167) }
```

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

```
.border{ border-color:rgb(51, 247, 167) }
```

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

Here you see how a box with a 4 pixel rgb(51, 247, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 247, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 247, 167);  
box-shadow:4px 4px 4px 4px rgb(51, 247,  
167) }
```

Background

The CSS property to change the background color of an element to RYB 51, 174, 247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 247, 167) }
```

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

```
.background{ background-color: rgb(51, 247,  
167) }
```

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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