

Converting Colors

`RYB(57, 194, 249)`

Have a look what the booklet for
RYB(57, 194, 249) contains.

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Color

RYB(57, 194, 249)

Conversions

Conversions Part 1

Format	Color
Hex	39F986
RGB	57, 249, 134
RGB Percent	22%, 98%, 53%
CMY	0.7765, 0.0235, 0.4742
CMYK	0.77, 0.00, 0.46, 0.02
HSL	144°, 94%, 60%
HSV	144°, 77%, 98%
XYZ	39.8717, 70.3447, 34.0601
YIQ	178.4820, -77.5170, -76.4690

Conversions

Conversions Part 2

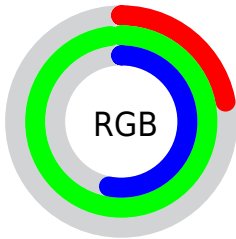
Format	Color
RYB	57, 194, 249
Decimal	3799430
CIELab	87.17, -70.39, 42.11
CIELCh	87, 82.019, 149.112
Yxy	70.3447, 0.2764, 0.4876
Android (android.graphics.Color)	4281989510 (0xFF39F986)
YUV	178.4820, -21.9296, -106.5397
Hunter-Lab	83.8717, -61.9186, 34.6327

Details

The RYB color **57, 194, 249** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **249, 57, 172**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **132, 216, 255**, and **0, 134, 191** is the 20% darker color. If you saturate the color by 10%, you get **32, 187, 249**, and if you desaturate by 10%, it is **82, 201, 249**.

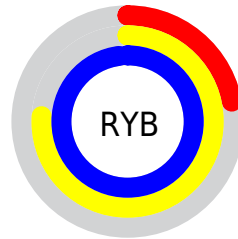
Distribution



Red (22%)

Green (98%)

Blue (53%)



Red (22%)

Yellow (76%)

Blue (98%)

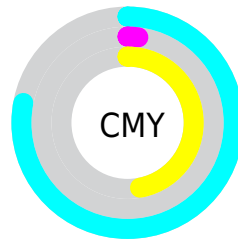


Cyan (77%)

Magenta (0%)

Yellow (46%)

Black (2%)



Cyan (78%)

















Magenta (2%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the RYB color 57, 194, 249 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 57, 194, 249 by changing the saturation by 10% instead.

 57, 194, 249	 57, 194, 249
 255, 255, 255	 0, 148, 220
 132, 216, 255	 0, 134, 191
 165, 222, 255	 0, 121, 163
 196, 228, 255	 0, 110, 135
 228, 242, 255	 0, 109, 109
	 0, 82, 82
	 0, 58, 58
	 0, 33, 33
	 0, 0, 0

 57, 194, 249

 57, 194, 249

 32, 187, 249

 82, 201, 249


 7, 180, 249

 107, 208, 249

 0, 178, 249

 132, 215, 249

 157, 223, 249

 181, 229, 249

 206, 236, 249

 231, 244, 249

 255, 249, 253

 255, 249, 255

Harmonies

Analogous

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



68, 236, 121



57, 194, 249



0, 139, 255

Triad

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



57, 194, 249



0, 120, 255



255, 153, 147

Complementary

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



57, 194, 249



249, 57, 172

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, 143, 224



57, 194, 249



213, 199, 255

Square

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



57, 194, 249



0, 125, 255



255, 164, 255



202, 255, 82

Rectangle

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



57, 194, 249



0, 128, 255



255, 164, 255



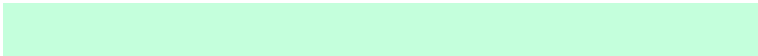
255, 147, 172

Sweetspot

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



57, 194, 249



196, 238, 255



57, 249, 134



92, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



57, 194, 249



18, 187, 255



57, 158, 249



112, 121, 125



0, 135, 189



0, 43, 61

Inverse Universe

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



249, 57, 172



255, 18, 160



249, 57, 76



125, 112, 120



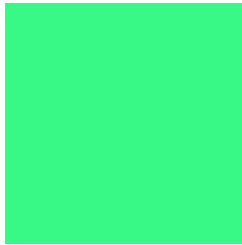
189, 0, 113



61, 0, 37

Previews

White Background



This preview shows how the RYB color 57, 194, 249 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 57, 194, 249 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 57, 194, 249 Background



This preview shows how black text looks on a background with the RGB color 57, 194, 249.

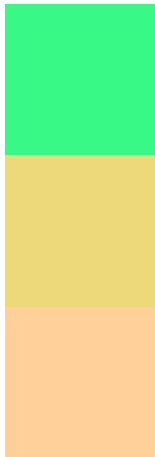


This preview shows how white text looks on a background with the RGB color 57, 194, 249.

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](#).

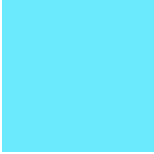
Dichromacy



Original Color
57, 194, 249

Protanopia
148, 237, 122

Deuteranopia
242, 255, 154



Tritanopia
107, 175, 254

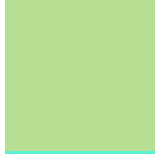
Trichromacy



Original Color
57, 194, 249



Protanomaly
126, 228, 182



Deuteranomaly
147, 223, 187



Tritanomaly
89, 173, 240

Monochromacy



Original Color
57, 194, 249



Achromatopsia
178, 178, 178



Achromatomaly
134, 184, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 57, 194, 249 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(57, 249, 134)` looks like.

```
.text, #text, p{  
    color:rgb(57, 249, 134)  
}
```

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(57, 249, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 249, 134) }
```

Border

The CSS property to change the border of an element to RYB 57, 194, 249 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(57, 249, 134) }
```

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

```
.border{ border-color:rgb(57, 249, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 249, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(57, 249, 134); -webkit-box-shadow:4px 4px 4px 4px rgb(57, 249, 134); box-shadow:4px 4px 4px 4px rgb(57, 249, 134) }
```

Background

The CSS property to change the background color of an element to RGB 57, 194, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 249, 134) }
```

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

```
.background{ background-color: rgb(57, 249,  
134) }
```

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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