

Converting Colors

`RYB(57, 209, 249)`

Have a look what the booklet for
RYB(57, 209, 249) contains.

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Color

RYB(57, 209, 249)

Conversions

Conversions Part 1

Format	Color
Hex	39F96C
RGB	57, 249, 108
RGB Percent	22%, 98%, 42%
CMY	0.7765, 0.0235, 0.5783
CMYK	0.77, 0.00, 0.57, 0.02
HSL	136°, 94%, 60%
HSV	136°, 77%, 98%
XYZ	38.2446, 69.6939, 25.4921
YIQ	175.5180, -69.1710, -84.5550

Conversions

Conversions Part 2

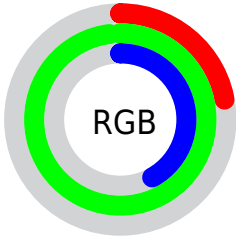
Format	Color
R _{YB}	57, 209, 249
Decimal	3799404
CIE Lab	86.85, -74.17, 54.06
CIE LCh	87, 91.780, 143.916
Yxy	69.6939, 0.2866, 0.5223
Android (android.graphics.Color)	4281989484 (0xFF39F96C)
YUV	175.5180, -33.2864, -103.9403
Hunter-Lab	83.4829, -64.3217, 40.3334

Details

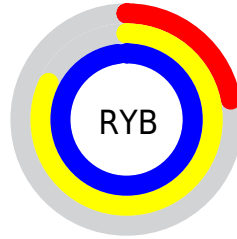
The RYB color **57, 209, 249** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **249, 57, 198**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **133, 231, 255**, and **0, 149, 191** is the 20% darker color. If you saturate the color by 10%, you get **32, 204, 249**, and if you desaturate by 10%, it is **82, 214, 249**.

Distribution



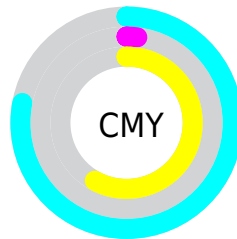
- Red (22%)
- Green (98%)
- Blue (42%)



- Red (22%)
- Yellow (82%)
- Blue (98%)



- Cyan (77%)
- Magenta (0%)
- Yellow (57%)
- Black (2%)













- Cyan (78%)
- Magenta (2%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 57, 209, 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, 209, 249 by changing the saturation by 10% instead.

 57, 209, 249	 57, 209, 249
255, 255, 255	 0, 161, 220
 133, 232, 255	 0, 150, 191
 166, 236, 255	 0, 144, 163
 197, 239, 255	 0, 135, 135
 229, 244, 255	 0, 108, 108
	 0, 82, 82
	 0, 58, 58
	 0, 32, 32
	 0, 0, 0

■ 57, 209, 249

■ 57, 209, 249

■ 32, 204, 249

■ 82, 214, 249

■ 7, 198, 249

■ 107, 220, 249

■ 0, 197, 249

■ 132, 224, 249

■ 157, 230, 249

■ 181, 235, 249

■ 206, 240, 249

■ 231, 245, 249

■ 255, 249, 254

■ 255, 249, 255

Harmonies

Analogous

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



11, 233, 53



57, 209, 249



0, 144, 255

Triad

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



57, 209, 249



0, 122, 255



255, 135, 152

Complementary

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



57, 209, 249



249, 57, 198

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, 129, 239



57, 209, 249



179, 197, 255

Square

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



57, 209, 249



0, 126, 255



255, 161, 255



231, 255, 74

Rectangle

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



57, 209, 249



0, 128, 255



255, 161, 255



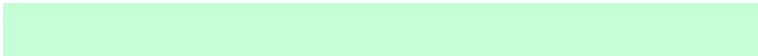
255, 128, 181

Sweetspot

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



57, 209, 249



196, 242, 255



57, 249, 105



92, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



57, 209, 249



18, 206, 255



57, 167, 249



112, 122, 125



0, 149, 189



0, 48, 61

Inverse Universe

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



249, 57, 198



255, 18, 193



249, 57, 105



125, 112, 122



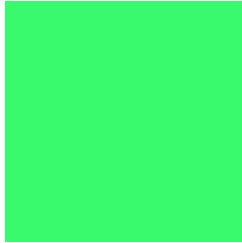
189, 0, 139



61, 0, 45

Previews

White Background



This preview shows how the RYB color 57, 209, 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, 209, 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, 209, 249 Background



This preview shows how black text looks on a background with the RGB color 57, 209, 249.

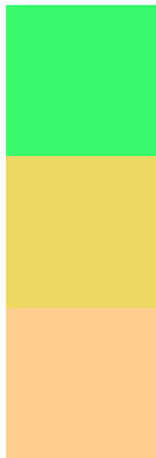


This preview shows how white text looks on a background with the RGB color 57, 209, 249.

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](#).

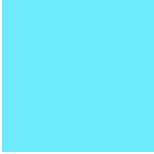
Dichromacy



Original Color
57, 209, 249

Protanopia
124, 239, 97

Deuteranopia
227, 255, 143



Tritanopia
111, 177, 253

Trichromacy



Original Color

57, 209, 249



Protanomaly

101, 228, 156



Deuteranomaly

130, 222, 169



Tritanomaly

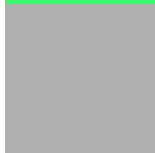
91, 176, 239

Monochromacy



Original Color

57, 209, 249



Achromatopsia

175, 175, 175



Achromatomaly

132, 188, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 57, 209, 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(57, 249, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 249, 108) }
```

Border

The CSS property to change the border of an element to RYB 57, 209, 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, 108) }
```

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

```
.border{ border-color:rgb(57, 249, 108) }
```

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, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 249, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 249, 108);  
box-shadow:4px 4px 4px 4px rgb(57, 249,  
108) }
```

Background

The CSS property to change the background color of an element to RGB 57, 209, 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, 108) }
```

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

```
.background{ background-color: rgb(57, 249,  
108) }
```

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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