

Converting Colors

`RYB(55, 248, 111)`

Have a look what the booklet for
RYB(55, 248, 111) contains.

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Color

RYB(55, 248, 111)

Conversions

Conversions Part 1

Format	Color
Hex	C0F837
RGB	192, 248, 55
RGB Percent	75%, 97%, 22%
CMY	0.2471, 0.0275, 0.7843
CMYK	0.23, 0.00, 0.78, 0.03
HSL	77°, 93%, 59%
HSV	77°, 78%, 97%
XYZ	55.9952, 78.6171, 15.8378
YIQ	209.2540, 28.5770, -71.8950

Conversions

Conversions Part 2

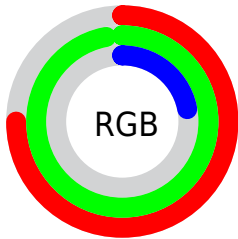
Format	Color
RYB	55, 248, 111
Decimal	12646455
CIELab	91.06, -42.31, 79.41
CIELCh	91, 89.976, 118.053
Yxy	78.6171, 0.3722, 0.5225
Android (android.graphics.Color)	4290836535 (0xFFC0F837)
YUV	209.2540, -76.0472, -15.1318
Hunter-Lab	88.6663, -42.4383, 51.4759

Details

The RYB color **55, 248, 111** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **111, 55, 248**, and the grayscale version is **210, 210, 210**.

A 20% lighter version of the original color is **117, 255, 120**, and **0, 191, 58** is the 20% darker color. If you saturate the color by 10%, you get **30, 248, 93**, and if you desaturate by 10%, it is **80, 248, 129**.

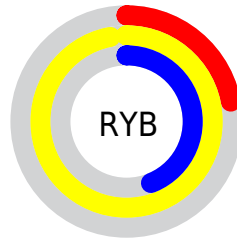
Distribution



Red (75%)

Green (97%)

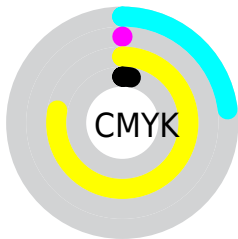
Blue (22%)



Red (22%)

Yellow (97%)

Blue (44%)

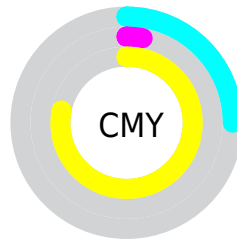


Cyan (23%)

Magenta (0%)

Yellow (78%)

Black (3%)



Cyan (25%)


















Magenta (3%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the RYB color 55, 248, 111 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 55, 248, 111 by changing the saturation by 10% instead.

 55, 248, 111	 55, 248, 111
 255, 255, 255	 3, 219, 60
 117, 255, 120	 0, 191, 58
 146, 255, 146	 0, 164, 60
 176, 255, 176	 0, 137, 62
 205, 255, 205	 0, 112, 68
 235, 255, 235	 0, 87, 87
	 0, 63, 63
	 0, 41, 41
	 0, 7, 7

■ 55, 248, 111

■ 55, 248, 111

■ 30, 248, 93

■ 80, 248, 129

■ 5, 248, 75

■ 105, 248, 147

■ 0, 248, 72

■ 129, 248, 163

■ 154, 248, 181

■ 179, 248, 199

■ 204, 248, 217

■ 229, 248, 235

■ 250, 248, 253

■ 255, 248, 255

Harmonies

Analogous

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



50, 255, 13



55, 248, 111



43, 192, 255

Triad

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



55, 248, 111



0, 128, 255



255, 144, 239

Complementary

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



55, 248, 111



111, 55, 248

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, 169, 255



55, 248, 111



0, 124, 255

Square

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



55, 248, 111



0, 128, 255



217, 209, 255



255, 154, 154

Rectangle

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



55, 248, 111



0, 146, 255



217, 209, 255



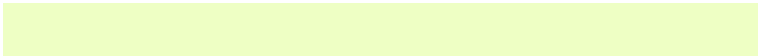
255, 149, 255

Sweetspot

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



55, 248, 111



196, 255, 213



248, 132, 55



92, 128, 103



0, 0, 0



128, 128, 128

Same Dimension

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



55, 248, 111



18, 255, 87



55, 248, 206



112, 125, 116



0, 189, 55



0, 61, 18

Inverse Universe

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



111, 55, 248



87, 18, 255



206, 55, 248



116, 112, 125



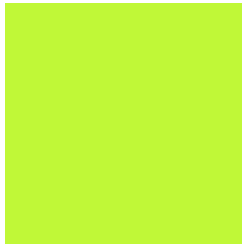
55, 0, 189



18, 0, 61

Previews

White Background



This preview shows how the RYB color 55, 248, 111 looks on a white background.

Color Contrast Check

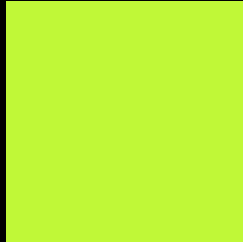
Large Text (above 18pt) WCAG AA × Fail

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 55, 248, 111 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](#).

R Y B 55, 248, 111 Background



This preview shows how black text looks on a background with the RYB color 55, 248, 111.

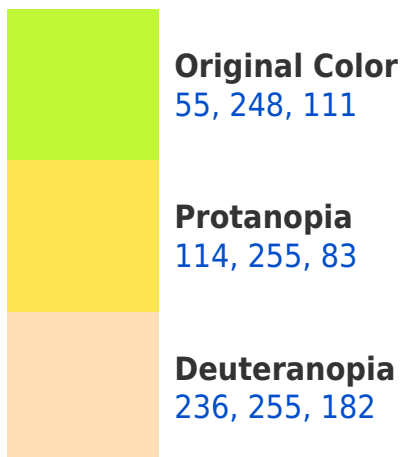


This preview shows how white text looks on a background with the RYB color 55, 248, 111.

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](#).

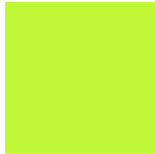
Dichromacy



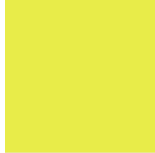


Tritanopia
213, 225, 249

Trichromacy



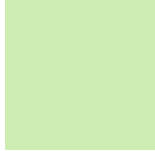
Original Color
55, 248, 111



Protanomaly
73, 236, 77



Deuteranomaly
136, 233, 137

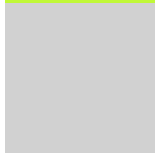


Tritanomaly
178, 237, 210

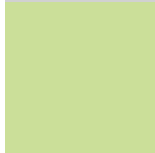
Monochromacy



Original Color
55, 248, 111



Achromatopsia
209, 209, 209



Achromatomaly
153, 223, 173

CSS Examples

Text

The CSS property to change the color of the text to RYB 55, 248, 111 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(192, 248, 55)` looks like.

```
.text, #text, p{  
    color:rgb(192, 248, 55)  
}
```

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(192, 248, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 248, 55) }
```

Border

The CSS property to change the border of an element to RYB 55, 248, 111 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(192, 248, 55) }
```

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

```
.border{ border-color:rgb(192, 248, 55) }
```

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

Here you see how a box with a 4 pixel rgb(192, 248, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 248, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 248, 55);  
box-shadow:4px 4px 4px 4px rgb(192, 248,  
55) }
```

Background

The CSS property to change the background color of an element to RYB 55, 248, 111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 248, 55) }
```

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

```
.background{ background-color: rgb(192,  
248, 55) }
```

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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