

Converting Colors

`RYB(51, 208, 124)`

Have a look what the booklet for
RYB(51, 208, 124) contains.

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Color

R_YB(51, 208, 124)

Conversions

Conversions Part 1

Format	Color
Hex	87D033
RGB	135, 208, 51
RGB Percent	53%, 82%, 20%
CMY	0.4706, 0.1843, 0.8000
CMYK	0.35, 0.00, 0.75, 0.18
HSL	88°, 63%, 51%
HSV	88°, 75%, 82%
XYZ	33.1451, 50.5017, 11.1328
YIQ	168.2750, 6.8890, -64.3030

Conversions

Conversions Part 2

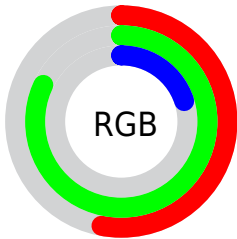
Format	Color
R_{YB}	51, 208, 124
Decimal	8900659
CIE _{Lab}	76.38, -46.24, 65.75
CIE _{LCh}	76, 80.378, 125.117
Yxy	50.5017, 0.3497, 0.5328
Android (android.graphics.Color)	4287090739 (0xFF87D033)
YUV	168.2750, -57.8166, -29.1822
Hunter-Lab	71.0645, -41.1090, 40.4569

Details

The RYB color **51, 208, 124** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **124, 51, 208**, and the grayscale version is **169, 169, 169**.

A 20% lighter version of the original color is **109, 255, 171**, and **0, 153, 76** is the 20% darker color. If you saturate the color by 10%, you get **30, 208, 113**, and if you desaturate by 10%, it is **72, 208, 135**.

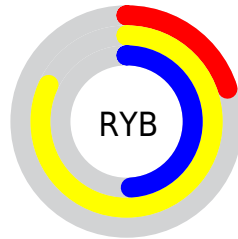
Distribution



Red (53%)

Green (82%)

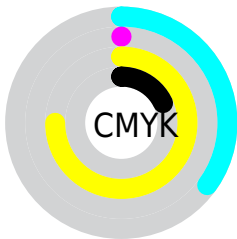
Blue (20%)



Red (20%)

Yellow (82%)

Blue (49%)

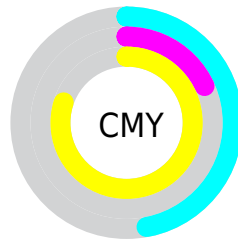


Cyan (35%)

Magenta (0%)

Yellow (75%)

Black (18%)



Cyan (47%)
















Magenta (18%)


Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the RYB color 51, 208, 124 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, 208, 124 by changing the saturation by 10% instead.

 51, 208, 124	 51, 208, 124
255, 255, 255	 11, 180, 85
 109, 255, 171	 0, 153, 76
 137, 255, 170	 0, 127, 80
 165, 255, 168	 0, 101, 97
 193, 255, 193	 0, 76, 76
 222, 255, 222	 0, 53, 53
252, 255, 252	 0, 30, 30
	 0, 0, 0

 51, 208, 124	 51, 208, 124
--	--

■ 30, 208, 113

■ 72, 208, 135

■ 9, 208, 101

■ 93, 208, 147

■ 0, 208, 97

■ 113, 208, 157

■ 134, 208, 168

■ 155, 208, 180

■ 176, 208, 191

■ 197, 208, 202

■ 212, 208, 217

■ 222, 208, 238

Harmonies

Analogous

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



27, 213, 0



51, 208, 124



0, 141, 219

Triad

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



51, 208, 124



0, 116, 255



255, 112, 179

Complementary

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



51, 208, 124



124, 51, 208

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, 252



51, 208, 124



0, 110, 255

Square

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



51, 208, 124



0, 118, 255



205, 163, 255



255, 133, 107

Rectangle

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



51, 208, 124



0, 125, 222



205, 163, 255



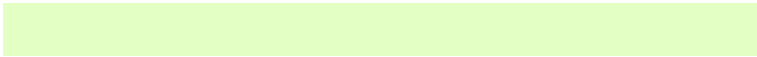
255, 114, 204

Sweetspot

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



51, 208, 124



196, 255, 223



208, 181, 51



92, 128, 109



0, 0, 0



128, 128, 128

Same Dimension

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



51, 208, 124



23, 255, 131



51, 208, 200



94, 105, 99



0, 168, 78



0, 41, 19

Inverse Universe

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



124, 51, 208



131, 23, 255



200, 51, 208



99, 94, 105



78, 0, 168



19, 0, 41

Previews

White Background



This preview shows how the RYB color 51, 208, 124 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, 208, 124 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, 208, 124 Background



This preview shows how black text looks on a background with the RGB color 51, 208, 124.



This preview shows how white text looks on a background with the RGB color 51, 208, 124.

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](#).

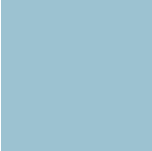
Dichromacy



Original Color
51, 208, 124

Protanopia
73, 211, 46

Deuteranopia
148, 234, 64



Tritanopia
156, 178, 209

Trichromacy



Original Color

51, 208, 124

Protanomaly

48, 195, 60

Deuteranomaly

69, 198, 59

Tritanomaly

148, 195, 199

Monochromacy



Original Color

51, 208, 124

Achromatopsia

168, 168, 168

Achromatomaly

125, 183, 152

CSS Examples

Text

The CSS property to change the color of the text to RYB 51, 208, 124 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(135, 208, 51)` looks like.

```
.text, #text, p{  
    color:rgb(135, 208, 51)  
}
```

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(135, 208, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 208, 51) }
```

Border

The CSS property to change the border of an element to RYB 51, 208, 124 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(135, 208, 51) }
```

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

```
.border{ border-color:rgb(135, 208, 51) }
```

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

Here you see how a box with a 4 pixel rgb(135, 208, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 208, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 208, 51);  
box-shadow:4px 4px 4px 4px rgb(135, 208,  
51) }
```

Background

The CSS property to change the background color of an element to RYB 51, 208, 124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 208, 51) }
```

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

```
.background{ background-color: rgb(135,  
208, 51) }
```

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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