

Converting Colors

`RYB(50, 205, 103)`

Have a look what the booklet for
RYB(50, 205, 103) contains.

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Color

RYB(50, 205, 103)

Conversions

Conversions Part 1

Format	Color
Hex	98CD32
RGB	152, 205, 50
RGB Percent	60%, 80%, 20%
CMY	0.4039, 0.1961, 0.8039
CMYK	0.26, 0.00, 0.76, 0.20
HSL	81°, 61%, 50%
HSV	81°, 76%, 80%
XYZ	35.3559, 50.5683, 10.9148
YIQ	171.4830, 18.1670, -59.4410

Conversions

Conversions Part 2

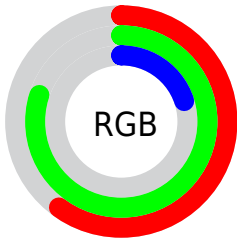
Format	Color
RYB	50, 205, 103
Decimal	10014002
CIELab	76.42, -38.76, 66.43
CIELCh	76, 76.910, 120.258
Yxy	50.5683, 0.3651, 0.5222
Android (android.graphics.Color)	4288204082 (0xFF98CD32)
YUV	171.4830, -59.8911, -17.0866
Hunter-Lab	71.1114, -35.6964, 40.6776

Details

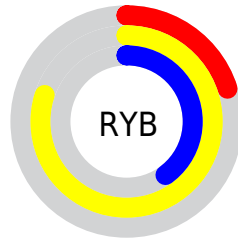
The RYB color **50, 205, 103** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **103, 50, 205**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **108, 255, 153**, and **0, 150, 54** is the 20% darker color. If you saturate the color by 10%, you get **30, 205, 90**, and if you desaturate by 10%, it is **70, 205, 116**.

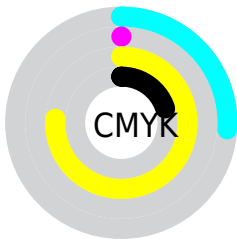
Distribution



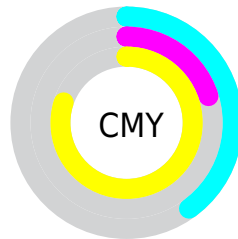
- Red (60%)
- Green (80%)
- Blue (20%)



- Red (20%)
- Yellow (80%)
- Blue (40%)



- Cyan (26%)
- Magenta (0%)
- Yellow (76%)
- Black (20%)



- Cyan (40%)
- Magenta (20%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the RYB color 50, 205, 103 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 50, 205, 103 by changing the saturation by 10% instead.

 50, 205, 103

 50, 205, 103


255, 255, 255

 9, 177, 62

 108, 255, 153

 0, 150, 54

 136, 255, 151

 0, 124, 57

 164, 255, 164

 0, 99, 61

 192, 255, 192

 0, 75, 75

 221, 255, 221

 0, 51, 51

 251, 255, 251

 0, 30, 30

 0, 0, 0

 50, 205, 103

 50, 205, 103

■ 30, 205, 90

■ 70, 205, 116

■ 9, 205, 76

■ 91, 205, 130

■ 0, 205, 70

■ 112, 205, 144

■ 132, 205, 157

■ 153, 205, 171

■ 173, 205, 184

■ 194, 205, 198

■ 208, 205, 214

■ 215, 205, 235

Harmonies

Analogous

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



59, 223, 13



50, 205, 103



0, 141, 216

Triad

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



50, 205, 103



0, 116, 255



255, 118, 191

Complementary

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



50, 205, 103



103, 50, 205

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, 137, 255



50, 205, 103



0, 111, 255

Square

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



50, 205, 103



0, 118, 255



187, 169, 255



255, 130, 121

Rectangle

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



50, 205, 103



0, 127, 220



187, 169, 255



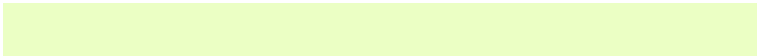
255, 121, 215

Sweetspot

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



50, 205, 103



196, 255, 216



205, 128, 50



92, 128, 105



0, 0, 0



128, 128, 128

Same Dimension

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



50, 205, 103



23, 255, 102



50, 205, 179



92, 102, 95



0, 166, 57



0, 38, 13

Inverse Universe

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



103, 50, 205



102, 23, 255



179, 50, 205



95, 92, 102



57, 0, 166



13, 0, 38

Previews

White Background



This preview shows how the RYB color 50, 205, 103 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 50, 205, 103 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 50, 205, 103 Background



This preview shows how black text looks on a background with the R Y B color 50, 205, 103.

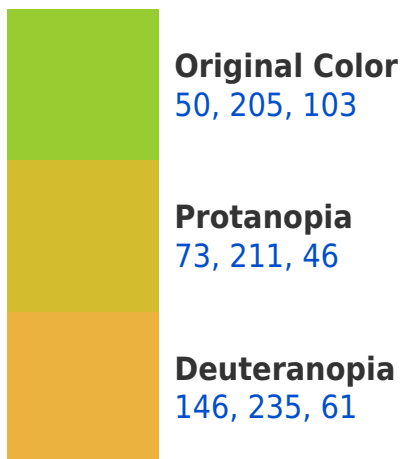


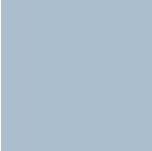
This preview shows how white text looks on a background with the R Y B color 50, 205, 103.

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
170, 183, 206

Trichromacy



Original Color
50, 205, 103

Protanomaly
47, 194, 51

Deuteranomaly
76, 205, 57

Tritanomaly
149, 196, 182

Monochromacy



Original Color
50, 205, 103

Achromatopsia
171, 171, 171

Achromatomaly
127, 183, 146

CSS Examples

Text

The CSS property to change the color of the text to RYB 50, 205, 103 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(152, 205, 50)` looks like.

```
.text, #text, p{  
    color:rgb(152, 205, 50)  
}
```

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(152, 205, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 205, 50) }
```

Border

The CSS property to change the border of an element to RYB 50, 205, 103 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(152, 205, 50) }
```

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

```
.border{ border-color:rgb(152, 205, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 205, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 205, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 205, 50);  
box-shadow:4px 4px 4px 4px rgb(152, 205,  
50) }
```

Background

The CSS property to change the background color of an element to RYB 50, 205, 103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 205, 50) }
```

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

```
.background{ background-color: rgb(152,  
205, 50) }
```

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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