

Converting Colors

`RYB(58, 200, 105)`

Have a look what the booklet for
RYB(58, 200, 105) contains.

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Color

RYB(58, 200, 105)

Conversions

Conversions Part 1

Format	Color
Hex	99C83A
RGB	153, 200, 58
RGB Percent	60%, 78%, 23%
CMY	0.4000, 0.2157, 0.7725
CMYK	0.24, 0.00, 0.71, 0.22
HSL	80°, 56%, 51%
HSV	80°, 71%, 78%
XYZ	34.5549, 48.3863, 11.5213
YIQ	169.7590, 17.5700, -54.1260

Conversions

Conversions Part 2

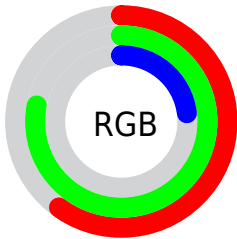
Format	Color
RYB	58, 200, 105
Decimal	10078266
CIELab	75.07, -35.68, 62.42
CIELCh	75, 71.894, 119.752
Yxy	48.3863, 0.3658, 0.5122
Android (android.graphics.Color)	4288268346 (0xFF99C83A)
YUV	169.7590, -55.0972, -14.6976
Hunter-Lab	69.5603, -33.0586, 38.8720

Details

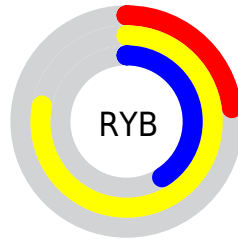
The RYB color **58, 200, 105** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **105, 58, 200**, and the grayscale version is **170, 170, 170**.

A 20% lighter version of the original color is **114, 255, 159**, and **0, 146, 49** is the 20% darker color. If you saturate the color by 10%, you get **38, 200, 92**, and if you desaturate by 10%, it is **78, 200, 118**.

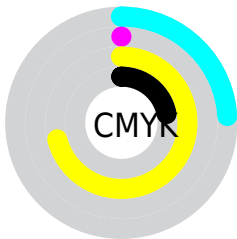
Distribution



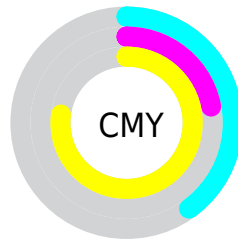
- Red (60%)
- Green (78%)
- Blue (23%)



- Red (23%)
- Yellow (78%)
- Blue (41%)



- Cyan (24%)
- Magenta (0%)
- Yellow (71%)
- Black (22%)





















- Cyan (40%)
- Magenta (22%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the RYB color 58, 200, 105 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 58, 200, 105 by changing the saturation by 10% instead.

 58, 200, 105	 58, 200, 105
 255, 255, 255	 26, 173, 74
 114, 255, 159	 0, 146, 49
 141, 255, 156	 0, 120, 50
 169, 255, 169	 0, 95, 53
 198, 255, 198	 0, 71, 67
 227, 255, 227	 0, 48, 48
	 0, 26, 26
	 0, 0, 0
 58, 200, 105	 58, 200, 105

■ 38, 200, 92

■ 78, 200, 118

■ 18, 200, 78

■ 98, 200, 132

■ 0, 200, 66

■ 118, 200, 145

■ 138, 200, 159

■ 158, 200, 172

■ 178, 200, 185

■ 198, 200, 199

■ 206, 200, 218

■ 213, 200, 238

Harmonies

Analogous

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



82, 219, 34



58, 200, 105



44, 161, 211

Triad

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



58, 200, 105



0, 115, 255



255, 121, 188

Complementary

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



58, 200, 105



105, 58, 200

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, 138, 253



58, 200, 105



0, 110, 255

Square

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



58, 200, 105



0, 115, 249



183, 167, 255



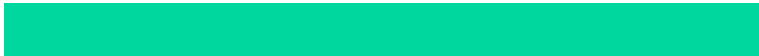
255, 130, 123

Rectangle

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



58, 200, 105



0, 124, 215



183, 167, 255



255, 124, 210

Sweetspot

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



58, 200, 105



201, 255, 219



200, 124, 58



96, 128, 107



0, 0, 0



128, 128, 128

Same Dimension

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



58, 200, 105



38, 255, 110



58, 200, 174



90, 99, 93



0, 163, 54



0, 36, 12

Inverse Universe

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



105, 58, 200



110, 38, 255



174, 58, 200



93, 90, 99



54, 0, 163



12, 0, 36

Previews

White Background



This preview shows how the RYB color 58, 200, 105 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 58, 200, 105 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](#).

RYB 58, 200, 105 Background



This preview shows how black text looks on a background with the RYB color 58, 200, 105.

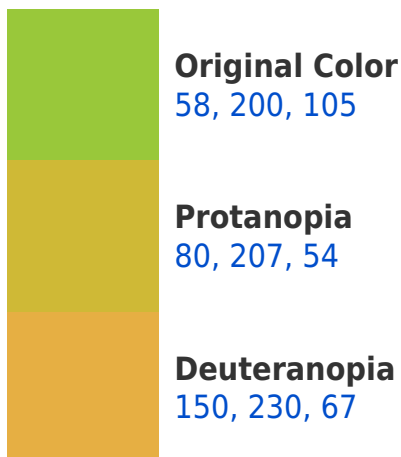


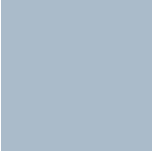
This preview shows how white text looks on a background with the RYB color 58, 200, 105.

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, 181, 202

Trichromacy



Original Color

58, 200, 105

Protanomaly

55, 190, 58

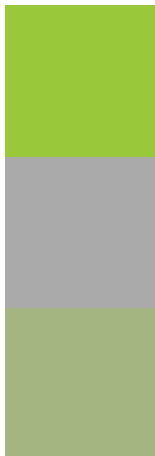
Deuteranomaly

85, 202, 64

Tritanomaly

150, 192, 178

Monochromacy



Original Color

58, 200, 105

Achromatopsia

170, 170, 170

Achromatomaly

129, 181, 146

CSS Examples

Text

The CSS property to change the color of the text to RYB 58, 200, 105 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(153, 200, 58)` looks like.

```
.text, #text, p{  
    color:rgb(153, 200, 58)  
}
```

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(153, 200, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 200, 58) }
```

Border

The CSS property to change the border of an element to RYB 58, 200, 105 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(153, 200, 58) }
```

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

```
.border{ border-color:rgb(153, 200, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 200, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 200, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 200, 58);  
box-shadow:4px 4px 4px 4px rgb(153, 200,  
58) }
```

Background

The CSS property to change the background color of an element to RYB 58, 200, 105 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 200, 58) }
```

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

```
.background{ background-color: rgb(153,  
200, 58) }
```

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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