

Converting Colors

`RYB(107, 193, 133)`

Have a look what the booklet for
RYB(107, 193, 133) contains.

RYB(107, 193, 133)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(107, 193, 133)

Conversions

Conversions Part 1

Format	Color
Hex	A7C16B
RGB	167, 193, 107
RGB Percent	65%, 76%, 42%
CMY	0.3451, 0.2431, 0.5804
CMYK	0.13, 0.00, 0.45, 0.24
HSL	78°, 41%, 59%
HSV	78°, 45%, 76%
XYZ	37.6602, 47.4170, 21.0774
YIQ	175.4220, 12.1100, -32.2580

Conversions

Conversions Part 2

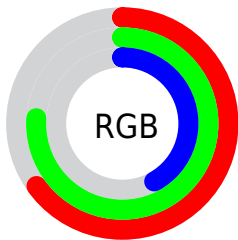
Format	Color
RYB	107, 193, 133
Decimal	10994027
CIELab	74.46, -22.65, 40.26
CIELCh	74, 46.199, 119.365
Yxy	47.4170, 0.3548, 0.4467
Android (android.graphics.Color)	4289184107 (0xFFA7C16B)
YUV	175.4220, -33.7320, -7.3861
Hunter-Lab	68.8600, -22.8816, 30.0539

Details

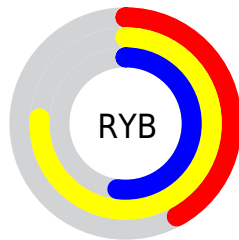
The RYB color **107, 193, 133** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **133, 107, 193**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **160, 250, 187**, and **57, 139, 83** is the 20% darker color. If you saturate the color by 10%, you get **88, 193, 120**, and if you desaturate by 10%, it is **126, 193, 146**.

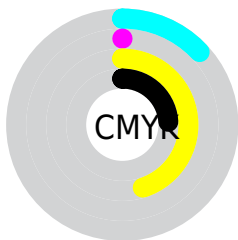
Distribution



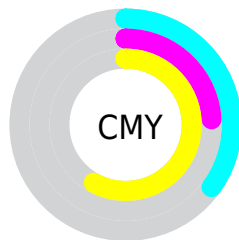
- Red (65%)
- Green (76%)
- Blue (42%)



- Red (42%)
- Yellow (76%)
- Blue (52%)



- Cyan (13%)
- Magenta (0%)
- Yellow (45%)
- Black (24%)




- Cyan (35%)
- Magenta (24%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 107, 193, 133 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 107, 193, 133 by changing the saturation by 10% instead.

 107, 193, 133

255, 255, 255


 160, 250, 187


 187, 255, 190


 215, 255, 215


 244, 255, 244

 107, 193, 133

 82, 166, 108

 57, 139, 83

 32, 114, 58

 3, 89, 30

 0, 66, 27

 0, 43, 31

 0, 24, 24

 0, 0, 0

 107, 193, 133

 107, 193, 133

■ 88, 193, 120

■ 126, 193, 146

■ 68, 193, 106

■ 146, 193, 160

■ 49, 193, 93

■ 165, 193, 173

■ 30, 193, 79

■ 184, 193, 187

■ 11, 193, 66

■ 196, 193, 203

■ 0, 193, 58

■ 202, 193, 223

■ 208, 193, 242

■ 214, 193, 255

■ 220, 193, 255

Harmonies

Analogous

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



138, 210, 97



107, 193, 133



115, 183, 201

Triad

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



107, 193, 133



0, 112, 255



255, 149, 186

Complementary

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



107, 193, 133



133, 107, 193

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.



235, 157, 227



107, 193, 133



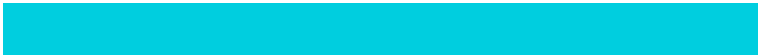
113, 162, 255

Square

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



107, 193, 133



0, 107, 223



186, 172, 255



255, 154, 144

Rectangle

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



107, 193, 133



70, 148, 204



186, 172, 255



255, 150, 200

Sweetspot

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



107, 193, 133



217, 250, 227



193, 144, 107



105, 125, 111



252, 252, 252



125, 125, 125

Same Dimension

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



107, 193, 133



117, 250, 157



107, 193, 176



87, 97, 90



0, 161, 49



0, 33, 10

Inverse Universe

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



133, 107, 193



157, 117, 250



176, 107, 193



90, 87, 97



49, 0, 161



10, 0, 33

Previews

White Background



This preview shows how the RYB color 107, 193, 133 looks on a white background.

Color Contrast Check

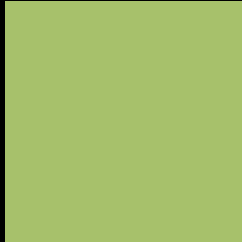
Large Text (above 18pt) WCAG AA × Fail

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 107, 193, 133 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 107, 193, 133 Background



This preview shows how black text looks on a background with the RYB color 107, 193, 133.



This preview shows how white text looks on a background with the RYB color 107, 193, 133.

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](#).

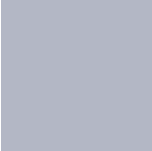
Dichromacy



Original Color
107, 193, 133

Protanopia
125, 201, 103

Deuteranopia
190, 221, 111



Tritanopia
179, 182, 197

Trichromacy



Original Color
107, 193, 133

Protanomaly
106, 189, 104

Deuteranomaly
134, 201, 110

Tritanomaly
164, 187, 176

Monochromacy



Original Color
107, 193, 133

Achromatopsia
175, 175, 175

Achromatomaly
150, 182, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 107, 193, 133 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(167, 193, 107)` looks like.

```
.text, #text, p{  
    color:rgb(167, 193, 107)  
}
```

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(167, 193, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 193, 107) }
```

Border

The CSS property to change the border of an element to RYB 107, 193, 133 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(167, 193, 107) }
```

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

```
.border{ border-color:rgb(167, 193, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 193, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 193, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 193, 107);  
box-shadow:4px 4px 4px 4px rgb(167, 193,  
107) }
```

Background

The CSS property to change the background color of an element to RYB 107, 193, 133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 193, 107) }
```

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

```
.background{ background-color: rgb(167,  
193, 107) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor