

Converting Colors

`RYB(133, 191, 205)`

Have a look what the booklet for
RYB(133, 191, 205) contains.

RYB(133, 191, 205)	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

`RYB(133, 191, 205)`

Conversions

Conversions Part 1	
Format	Color
Hex	85CD96
RGB	133, 205, 150
RGB Percent	52%, 80%, 59%
CMY	0.4784, 0.1961, 0.4103
CMYK	0.35, 0.00, 0.27, 0.20
HSL	134°, 42%, 66%
HSV	134°, 35%, 80%
XYZ	37.0398, 50.8634, 36.8800
YIQ	177.2020, -25.2570, -32.3690

Conversions

Conversions Part 2

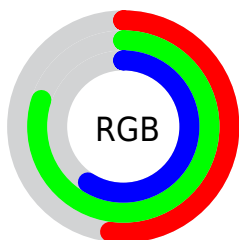
Format	Color
RYB	133, 191, 205
Decimal	8768918
CIELab	76.60, -33.91, 20.23
CIELCh	77, 39.487, 149.174
Yxy	50.8634, 0.2968, 0.4076
Android (android.graphics.Color)	4286958998 (0xFF85CD96)
YUV	177.2020, -13.4106, -38.7652
Hunter-Lab	71.3186, -32.1024, 19.2632

Details

The RYB color **133, 191, 205** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **205, 133, 188**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **188, 242, 255**, and **80, 135, 150** is the 20% darker color. If you saturate the color by 10%, you get **113, 187, 205**, and if you desaturate by 10%, it is **154, 195, 205**.

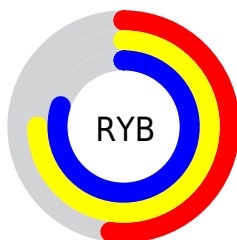
Distribution



Red (52%)

Green (80%)

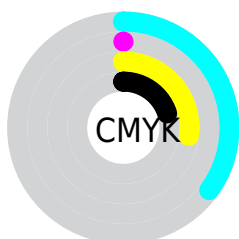
Blue (59%)



Red (52%)

Yellow (75%)

Blue (80%)

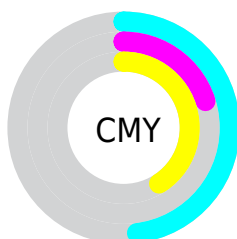


Cyan (35%)

Magenta (0%)

Yellow (27%)

Black (20%)



Cyan (48%)

Magenta (20%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 191, 205 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 133, 191, 205 by changing the saturation by 10% instead.

 133, 191, 205

255, 255, 255


 188, 241, 255


 217, 244, 255

 246, 251, 255

 133, 191, 205

 106, 163, 177

 80, 135, 150

 53, 107, 124

 25, 79, 99

 0, 53, 74

 0, 45, 51

 0, 31, 31


 0, 0, 0

 133, 191, 205


 133, 191, 205

 113, 187, 205


 154, 195, 205

 92, 183, 205


 174, 199, 205

 72, 179, 205


 195, 203, 205

 51, 175, 205


 215, 205, 213

 31, 171, 205

 236, 205, 228

 10, 167, 205

 255, 205, 244

 0, 165, 205

 255, 205, 255

Harmonies

Analogous

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



124, 197, 145



133, 191, 205



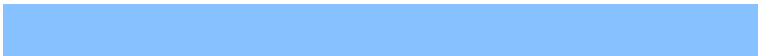
85, 152, 208

Triad

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



133, 191, 205



135, 174, 255



255, 165, 155

Complementary

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



133, 191, 205



205, 133, 188

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, 161, 191



133, 191, 205



192, 180, 253

Square

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



133, 191, 205



73, 148, 251



234, 167, 227



243, 206, 127

Rectangle

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



133, 191, 205



54, 132, 212



234, 167, 227



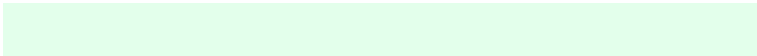
255, 162, 167

Sweetspot

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



133, 191, 205



227, 249, 255



133, 205, 150



111, 125, 128



0, 0, 0



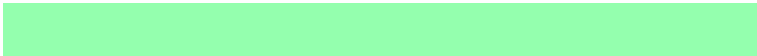
128, 128, 128

Same Dimension

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



133, 191, 205



148, 234, 255



133, 174, 205



92, 100, 102



0, 134, 166



0, 31, 38

Inverse Universe

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



205, 133, 188



255, 148, 229



205, 133, 152



102, 92, 100



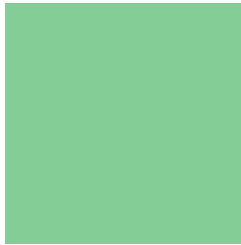
166, 0, 126



38, 0, 29

Previews

White Background



This preview shows how the RYB color 133, 191, 205 looks on a white background.

Color Contrast Check

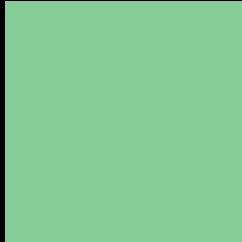
Large Text (above 18pt) WCAG AA × Fail

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 133, 191, 205 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 133, 191, 205 Background



This preview shows how black text looks on a background with the RYB color 133, 191, 205.



This preview shows how white text looks on a background with the RYB color 133, 191, 205.

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

133, 191, 205

Protanopia

160, 201, 143

Deuteranopia

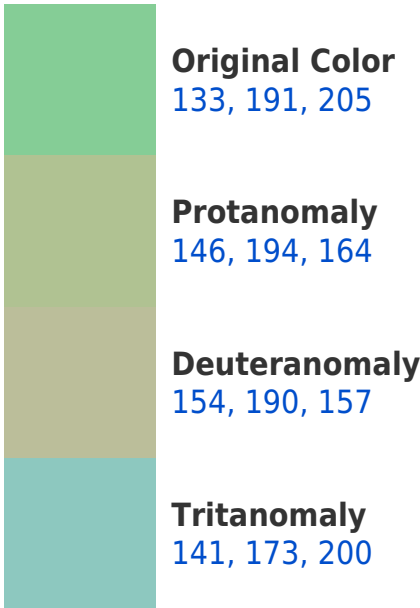
218, 198, 156



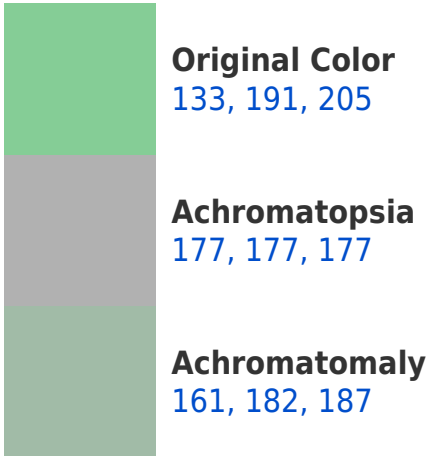
Tritanopia

146, 175, 213

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RGB 133, 191, 205 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(133, 205, 150)` looks like.

```
.text, #text, p{  
    color:rgb(133, 205, 150)  
}
```

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(133, 205, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 205, 150) }
```

Border

The CSS property to change the border of an element to RYB 133, 191, 205 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(133, 205, 150) }
```

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

```
.border{ border-color:rgb(133, 205, 150) }
```

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

Here you see how a box with a 4 pixel rgb(133, 205, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 205, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 205, 150);  
box-shadow:4px 4px 4px 4px rgb(133, 205,  
150) }
```

Background

The CSS property to change the background color of an element to RGB 133, 191, 205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 205, 150) }
```

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

```
.background{ background-color: rgb(133,  
205, 150) }
```

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