

Converting Colors

`RYB(133, 180, 199)`

Have a look what the booklet for RYB(133, 180, 199) contains.

RYB(133, 180, 199)	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(133, 180, 199)

Conversions

Conversions Part 1

Format	Color
Hex	85C7A0
RGB	133, 199, 160
RGB Percent	52%, 78%, 63%
CMY	0.4784, 0.2196, 0.3738
CMYK	0.33, 0.00, 0.20, 0.22
HSL	144°, 37%, 65%
HSV	144°, 33%, 78%
XYZ	36.4136, 48.3603, 40.5268
YIQ	174.8200, -26.8170, -26.1210

Conversions

Conversions Part 2

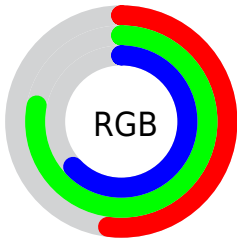
Format	Color
RYB	133, 180, 199
Decimal	8767392
CIELab	75.05, -29.32, 13.12
CIElCh	75, 32.122, 155.893
Yxy	48.3603, 0.2906, 0.3860
Android (android.graphics.Color)	4286957472 (0xFF85C7A0)
YUV	174.8200, -7.3063, -36.6761
Hunter-Lab	69.5416, -28.2311, 14.1266

Details

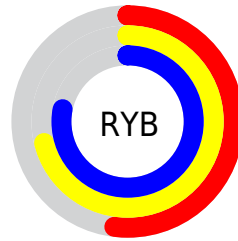
The RYB color **133, 180, 199** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **199, 133, 172**, and the grayscale version is **175, 175, 175**.

A 20% lighter version of the original color is **188, 236, 255**, and **81, 126, 145** is the 20% darker color. If you saturate the color by 10%, you get **113, 174, 199**, and if you desaturate by 10%, it is **153, 186, 199**.

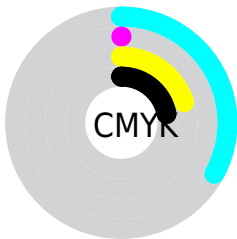
Distribution



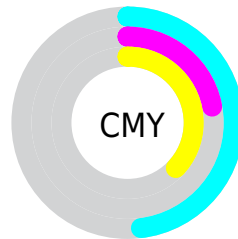
- Red (52%)
- Green (78%)
- Blue (63%)



- Red (52%)
- Yellow (71%)
- Blue (78%)



- Cyan (33%)
- Magenta (0%)
- Yellow (20%)
- Black (22%)



- Cyan (48%)
- Magenta (22%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 180, 199 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, 180, 199 by changing the saturation by 10% instead.

 133, 180, 199


255, 255, 255


 188, 236, 255

 216, 239, 255

 245, 250, 255

 133, 180, 199


 107, 153, 171

 81, 126, 145

 55, 99, 119

 28, 72, 94

 0, 45, 70

 0, 34, 47

 0, 26, 26


 0, 0, 0


 133, 180, 199


 133, 180, 199

 113, 174, 199


 153, 186, 199

 93, 168, 199


 173, 192, 199

 73, 163, 199


 193, 198, 199


 53, 157, 199

 213, 199, 207

 34, 152, 199


 233, 199, 219

 14, 146, 199

 252, 199, 231

 0, 142, 199

 255, 199, 243

 255, 199, 255

Harmonies

Analogous

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



136, 193, 161



133, 180, 199



102, 154, 201

Triad

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



133, 180, 199



155, 178, 243



241, 169, 152

Complementary

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



133, 180, 199



199, 133, 172

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.



243, 163, 180



133, 180, 199



196, 175, 233

Square

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



133, 180, 199



112, 162, 238



227, 166, 210



226, 211, 132

Rectangle

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



133, 180, 199



90, 148, 210



227, 166, 210



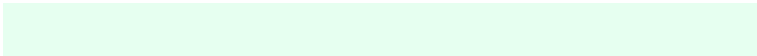
244, 164, 160

Sweetspot

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



133, 180, 199



230, 248, 255



133, 199, 159



112, 124, 128



0, 0, 0



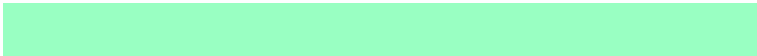
128, 128, 128

Same Dimension

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



133, 180, 199



153, 226, 255



133, 168, 199



90, 96, 99



0, 116, 163



0, 26, 36

Inverse Universe

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



199, 133, 172



255, 153, 214



199, 133, 140



99, 90, 95



163, 0, 97



36, 0, 21

Previews

White Background



This preview shows how the RYB color 133, 180, 199 looks on a white background.

Color Contrast Check

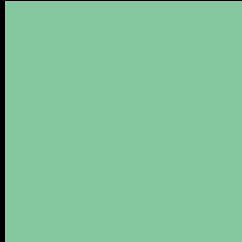
Large Text (above 18pt) WCAG AA × Fail

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, 180, 199 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, 180, 199 Background



This preview shows how black text looks on a background with the RYB color 133, 180, 199.

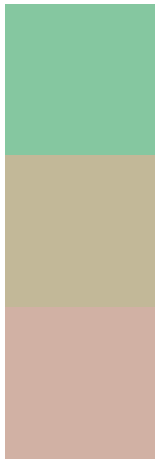


This preview shows how white text looks on a background with the RYB color 133, 180, 199.

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, 180, 199

Protanopia
165, 194, 152

Deuteranopia
209, 182, 164



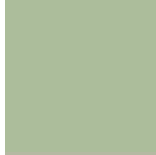
Tritanopia
143, 171, 208

Trichromacy



Original Color

133, 180, 199



Protanomaly

155, 189, 172



Deuteranomaly

162, 185, 166



Tritanomaly

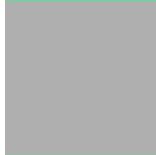
139, 168, 195

Monochromacy



Original Color

133, 180, 199



Achromatopsia

175, 175, 175



Achromatomaly

160, 177, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 180, 199 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, 199, 160)` looks like.

```
.text, #text, p{  
    color:rgb(133, 199, 160)  
}
```

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, 199, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 199, 160) }
```

Border

The CSS property to change the border of an element to RYB 133, 180, 199 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, 199, 160) }
```

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

```
.border{ border-color:rgb(133, 199, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 199, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 199, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 199, 160);  
box-shadow:4px 4px 4px 4px rgb(133, 199,  
160) }
```

Background

The CSS property to change the background color of an element to RYB 133, 180, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 199, 160) }
```

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

```
.background{ background-color: rgb(133,  
199, 160) }
```

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