

# Converting Colors

`RYB(132, 178, 191)`

Have a look what the booklet for  
RYB(132, 178, 191) contains.

<b>RYB(132, 178, 191)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**R<sub>Y</sub>B(132, 178, 191)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84BF95
RGB	132, 191, 149
RGB Percent	52%, 75%, 58%
CMY	0.4824, 0.2510, 0.4170
CMYK	0.31, 0.00, 0.22, 0.25
HSL	137°, 32%, 63%
HSV	137°, 31%, 75%
XYZ	33.5453, 44.3267, 35.0853
YIQ	168.5710, -21.6820, -25.5700

# Conversions

## Conversions Part 2

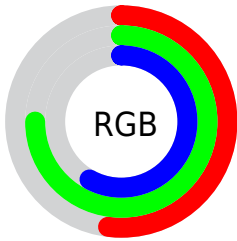
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 178, 191
Decimal	8699797
CIELab	72.45, -27.89, 15.38
CIElCh	72, 31.846, 151.125
Yxy	44.3267, 0.2970, 0.3924
Android (android.graphics.Color)	4286889877 (0xFF84BF95)
YUV	168.5710, -9.6485, -32.0728
Hunter-Lab	66.5783, -26.5751, 15.3602

# Details

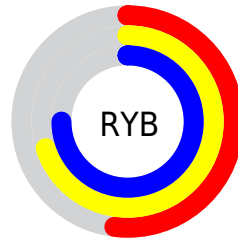
The RYB color **132, 178, 191** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **191, 132, 174**, and the grayscale version is **169, 169, 169**.

A 20% lighter version of the original color is **186, 235, 248**, and **80, 123, 137** is the 20% darker color. If you saturate the color by 10%, you get **113, 174, 191**, and if you desaturate by 10%, it is **151, 182, 191**.

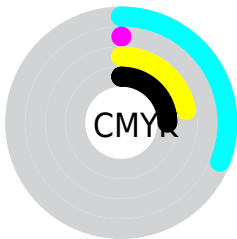
# Distribution



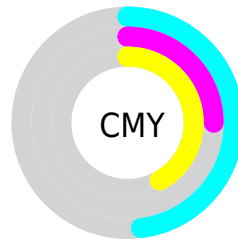
- Red (52%)
- Green (75%)
- Blue (58%)



- Red (52%)
- Yellow (70%)
- Blue (75%)



- Cyan (31%)
- Magenta (0%)
- Yellow (22%)
- Black (25%)



- Cyan (48%)
- Magenta (25%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 132, 178, 191 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 132, 178, 191 by changing the saturation by 10% instead.



 132, 178, 191

255, 255, 255


 186, 235, 248

 215, 244, 255


 243, 249, 255

 132, 178, 191

 106, 151, 164


 80, 123, 137

 55, 98, 112

 29, 71, 87

 0, 43, 63

 0, 36, 41


 0, 16, 16


 0, 0, 0


 132, 178, 191


 132, 178, 191

 113, 174, 191


 151, 182, 191


 94, 170, 191


 170, 186, 191


 75, 165, 191


 189, 190, 191

 56, 161, 191

 208, 191, 203

 37, 157, 191

 228, 191, 217

 17, 153, 191

 247, 191, 231

 0, 149, 191

 255, 191, 245

 255, 191, 255

# Harmonies

## Analogous

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



127, 185, 146



132, 178, 191



99, 151, 194

# Triad

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



132, 178, 191



141, 169, 235



235, 159, 149

# Complementary

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



132, 178, 191



191, 132, 174

# 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.



233, 156, 178



132, 178, 191



183, 170, 227

# Square

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



132, 178, 191



100, 152, 228



216, 160, 206



221, 192, 128

# Rectangle

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



132, 178, 191



85, 140, 198



216, 160, 206



236, 157, 158



# Sweetspot

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



132, 178, 191



225, 242, 247



132, 191, 148



111, 122, 125



252, 252, 252



125, 125, 125



# Same Dimension

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



132, 178, 191



156, 227, 247



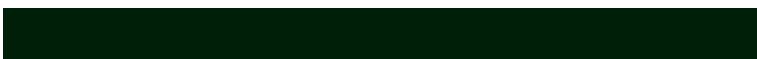
132, 165, 191



85, 92, 94



0, 123, 158



0, 24, 31



# Inverse Universe

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



191, 132, 174



247, 156, 221



191, 132, 146



94, 85, 92



158, 0, 113



31, 0, 22



# Previews

## White Background



This preview shows how the RYB color 132, 178, 191 looks on a white background.

## Color Contrast Check

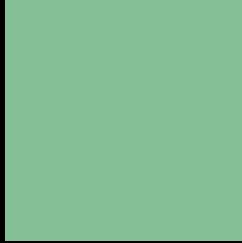
Large Text (above 18pt) WCAG AA × Fail

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 132, 178, 191 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 132, 178, 191 Background**



This preview shows how black text looks on a background with the RYB color 132, 178, 191.

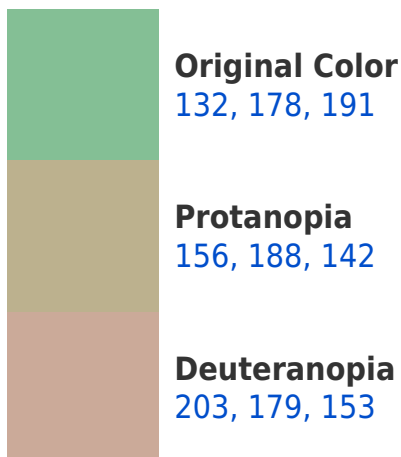


This preview shows how white text looks on a background with the RYB color 132, 178, 191.

# 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

142, 166, 199

# Trichromacy



**Original Color**  
132, 178, 191

**Protanomaly**  
144, 182, 158

**Deuteranomaly**  
151, 178, 152

**Tritanomaly**  
138, 164, 187

# Monochromacy



**Original Color**  
132, 178, 191

**Achromatopsia**  
169, 169, 169

**Achromatomaly**  
156, 172, 177

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 132, 178, 191 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(132, 191, 149)` looks like.

```
.text, #text, p{  
    color:rgb(132, 191, 149)  
}
```

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(132, 191, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 191, 149) }
```

## Border

The CSS property to change the border of an element to RYB 132, 178, 191 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(132, 191, 149) }
```

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

```
.border{ border-color:rgb(132, 191, 149) }
```

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

Here you see how a box with a 4 pixel rgb(132, 191, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 191, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 191, 149);  
box-shadow:4px 4px 4px 4px rgb(132, 191,  
149) }
```

# Background

The CSS property to change the background color of an element to RYB 132, 178, 191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 191, 149) }
```

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

```
.background{ background-color: rgb(132,  
191, 149) }
```

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