

# Converting Colors

`RYB(132, 200, 221)`

Have a look what the booklet for  
RYB(132, 200, 221) contains.

<b>RYB(132, 200, 221)</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, 200, 221)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84DD9F
RGB	132, 221, 159
RGB Percent	52%, 87%, 62%
CMY	0.4824, 0.1333, 0.3746
CMYK	0.40, 0.00, 0.28, 0.13
HSL	139°, 57%, 69%
HSV	139°, 40%, 87%
XYZ	41.6724, 59.1385, 42.2406
YIQ	187.3210, -33.1420, -38.1500

# Conversions

## Conversions Part 2

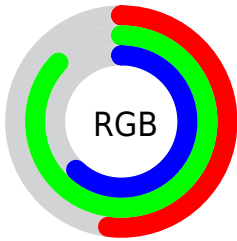
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 200, 221
Decimal	8707487
CIELab	81.37, -39.84, 22.01
CIELCh	81, 45.518, 151.083
Yxy	59.1385, 0.2913, 0.4134
Android (android.graphics.Color)	4286897567 (0xFF84DD9F)
YUV	187.3210, -13.9623, -48.5165
Hunter-Lab	76.9016, -37.8499, 21.2642

# Details

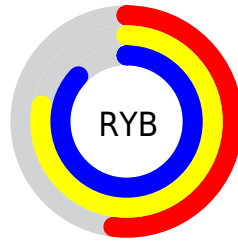
The RYB color **132, 200, 221** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **221, 132, 194**, and the grayscale version is **188, 188, 188**.

A 20% lighter version of the original color is **188, 236, 255**, and **77, 143, 165** is the 20% darker color. If you saturate the color by 10%, you get **110, 195, 221**, and if you desaturate by 10%, it is **154, 205, 221**.

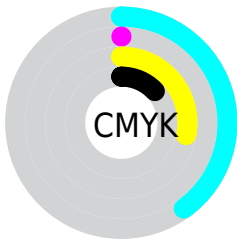
# Distribution



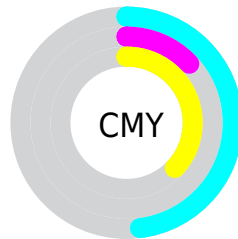
- Red (52%)
- Green (87%)
- Blue (62%)



- Red (52%)
- Yellow (78%)
- Blue (87%)



- Cyan (40%)
- Magenta (0%)
- Yellow (28%)
- Black (13%)



- Cyan (48%)
- Magenta (13%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 132, 200, 221 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, 200, 221 by changing the saturation by 10% instead.




 132, 200, 221

 132, 200, 221


255, 255, 255

 104, 171, 193

 188, 236, 255


 77, 142, 165

 217, 240, 255

 48, 114, 139

 246, 251, 255

 10, 79, 113

 0, 61, 87

 0, 51, 63


 0, 41, 41

 0, 9, 9


 0, 0, 0

 132, 200, 221


 132, 200, 221

 110, 195, 221


 154, 205, 221

 88, 190, 221


 176, 210, 221

 66, 184, 221


 198, 216, 221

 44, 180, 221

 220, 221, 221

 21, 174, 221

 243, 221, 236

 0, 169, 221

 255, 221, 251

 255, 221, 255

# Harmonies

## Analogous

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



127, 213, 156



132, 200, 221



67, 152, 225

# Triad

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



132, 200, 221



141, 182, 255



255, 175, 160

# Complementary

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



132, 200, 221



221, 132, 194

# 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, 168, 202



132, 200, 221



209, 191, 255

# Square

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



132, 200, 221



50, 142, 255



255, 176, 244



255, 230, 129

# Rectangle

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



132, 200, 221



0, 114, 231



255, 176, 244



255, 170, 174

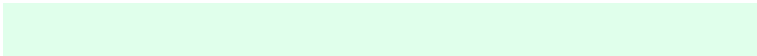


# Sweetspot

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



132, 200, 221



224, 247, 255



132, 221, 159



110, 124, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



132, 200, 221



133, 227, 255



132, 182, 221



99, 108, 110



0, 132, 173



0, 35, 46



# Inverse Universe

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



221, 132, 194



255, 133, 217



221, 132, 150



110, 99, 106



173, 0, 120

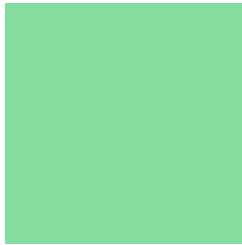


46, 0, 32



# Previews

## White Background



This preview shows how the RYB color 132, 200, 221 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, 200, 221 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, 200, 221 Background**



This preview shows how black text looks on a background with the RYB color 132, 200, 221.

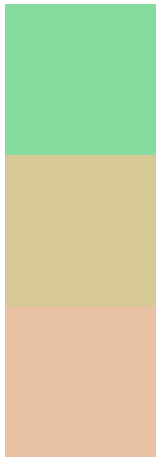


This preview shows how white text looks on a background with the RYB color 132, 200, 221.

# 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](#).

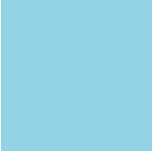
## Dichromacy



**Original Color**  
132, 200, 221

**Protanopia**  
168, 215, 150

**Deuteranopia**  
233, 213, 165



**Tritanopia**  
147, 183, 229

# Trichromacy



**Original Color**

132, 200, 221



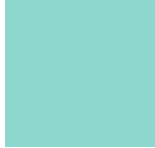
**Protanomaly**

153, 208, 176



**Deuteranomaly**

163, 203, 170



**Tritanomaly**

142, 181, 215

# Monochromacy



**Original Color**

132, 200, 221



**Achromatopsia**

187, 187, 187



**Achromatomaly**

167, 191, 199

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 132, 200, 221 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, 221, 159)` looks like.

```
.text, #text, p{  
    color:rgb(132, 221, 159)  
}
```

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, 221, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 221, 159) }
```

## Border

The CSS property to change the border of an element to RYB 132, 200, 221 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, 221, 159) }
```

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

```
.border{ border-color:rgb(132, 221, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 221, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 221, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 221, 159);  
box-shadow:4px 4px 4px 4px rgb(132, 221,  
159) }
```

# Background

The CSS property to change the background color of an element to RYB 132, 200, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 221, 159) }
```

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

```
.background{ background-color: rgb(132,  
221, 159) }
```

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