

Converting Colors

`RYB(123, 171, 207)`

Have a look what the booklet for
RYB(123, 171, 207) contains.

RYB(123, 171, 207)	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(123, 171, 207)`

Conversions

Conversions Part 1

Format	Color
Hex	7BCFBA
RGB	123, 207, 186
RGB Percent	48%, 81%, 73%
CMY	0.5176, 0.1882, 0.2706
CMYK	0.41, 0.00, 0.10, 0.19
HSL	165°, 47%, 65%
HSV	165°, 41%, 81%
XYZ	39.3441, 52.3818, 54.4914
YIQ	179.4900, -43.3230, -24.3390

Conversions

Conversions Part 2

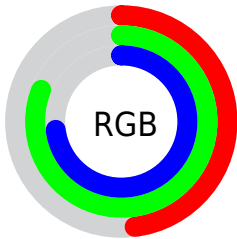
Format	Color
RYB	123, 171, 207
Decimal	8114106
CIELab	77.51, -30.42, 2.43
CIELCh	78, 30.516, 175.427
Yxy	52.3818, 0.2691, 0.3582
Android (android.graphics.Color)	4286304186 (0xFF7BCFBA)
YUV	179.4900, 3.2094, -49.5417
Hunter-Lab	72.3753, -29.6218, 6.0232

Details

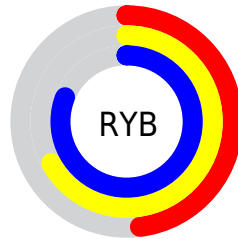
The RYB color **123, 171, 207** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **207, 123, 144**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **179, 221, 255**, and **68, 115, 152** is the 20% darker color. If you saturate the color by 10%, you get **102, 162, 207**, and if you desaturate by 10%, it is **144, 180, 207**.

Distribution



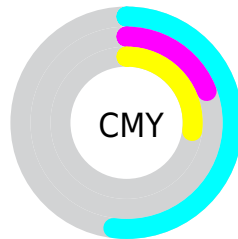
- Red (48%)
- Green (81%)
- Blue (73%)



- Red (48%)
- Yellow (67%)
- Blue (81%)



- Cyan (41%)
- Magenta (0%)
- Yellow (10%)
- Black (19%)



- Cyan (52%)
- Magenta (19%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the RYB color 123, 171, 207 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 123, 171, 207 by changing the saturation by 10% instead.


 123, 171, 207


255, 255, 255

 179, 221, 255

 208, 232, 255

 237, 246, 255

 123, 171, 207


 96, 143, 179

 68, 115, 152

 38, 87, 126

 0, 55, 101

 0, 42, 76

 0, 31, 53

 0, 21, 33

 0, 0, 0

 123, 171, 207

 123, 171, 207

■ 102, 162, 207

■ 144, 180, 207

■ 82, 153, 207

■ 164, 189, 207

■ 61, 145, 207

■ 185, 197, 207

■ 40, 136, 207

■ 206, 207, 207

■ 20, 127, 207

■ 227, 207, 212

■ 0, 118, 207

■ 247, 207, 217

■ 255, 207, 222

■ 255, 207, 227

■ 255, 207, 233

Harmonies

Analogous

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



154, 199, 204



123, 171, 207



105, 158, 215

Triad

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



123, 171, 207



190, 186, 242



238, 197, 146

Complementary

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



123, 171, 207



207, 123, 144

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.



248, 172, 169



123, 171, 207



224, 176, 224

Square

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



123, 171, 207



149, 180, 247



244, 171, 197



178, 216, 135

Rectangle

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



123, 171, 207



108, 162, 231



244, 171, 197



243, 185, 152

Sweetspot

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



123, 171, 207



224, 242, 255



123, 207, 186



110, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



123, 171, 207



130, 201, 255



123, 159, 207



94, 100, 105



0, 96, 168



0, 23, 41

Inverse Universe

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



207, 123, 144



255, 130, 161



207, 151, 123



105, 94, 97



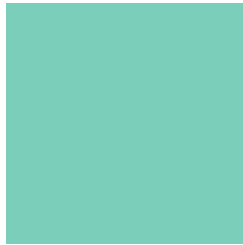
168, 0, 42



41, 0, 10

Previews

White Background



This preview shows how the RYB color 123, 171, 207 looks on a white background.

Color Contrast Check

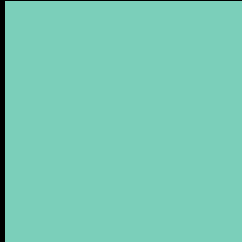
Large Text (above 18pt) WCAG AA × Fail

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 123, 171, 207 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 123, 171, 207 Background



This preview shows how black text looks on a background with the RYB color 123, 171, 207.

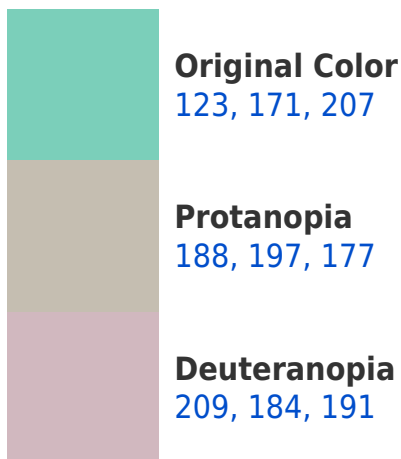


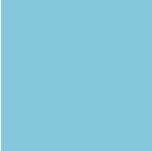
This preview shows how white text looks on a background with the RYB color 123, 171, 207.

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](#).

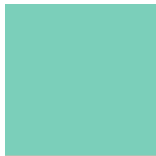
Dichromacy





Tritanopia
131, 170, 219

Trichromacy



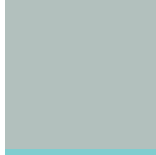
Original Color

123, 171, 207



Protanomaly

170, 189, 196



Deuteranomaly

178, 186, 192



Tritanomaly

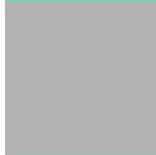
128, 167, 207

Monochromacy



Original Color

123, 171, 207



Achromatopsia

179, 179, 179



Achromatomaly

159, 176, 189

CSS Examples

Text

The CSS property to change the color of the text to RYB 123, 171, 207 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(123, 207, 186)` looks like.

```
.text, #text, p{  
    color:rgb(123, 207, 186)  
}
```

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(123, 207, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 207, 186) }
```

Border

The CSS property to change the border of an element to RYB 123, 171, 207 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(123, 207, 186) }
```

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

```
.border{ border-color:rgb(123, 207, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 207, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 207, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 207, 186); box-shadow:4px 4px 4px 4px rgb(123, 207, 186) }
```

Background

The CSS property to change the background color of an element to RYB 123, 171, 207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 207, 186) }
```

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

```
.background{ background-color: rgb(123,  
207, 186) }
```

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