

Converting Colors

`RYB(131, 175, 202)`

Have a look what the booklet for
RYB(131, 175, 202) contains.

RYB(131, 175, 202)	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(131, 175, 202)

Conversions

Conversions Part 1

Format	Color
Hex	83CAAF
RGB	131, 202, 175
RGB Percent	51%, 79%, 69%
CMY	0.4863, 0.2078, 0.3154
CMYK	0.35, 0.00, 0.14, 0.21
HSL	157°, 40%, 65%
HSV	157°, 35%, 79%
XYZ	38.1761, 50.1446, 48.0022
YIQ	177.6930, -33.6490, -23.4490

Conversions

Conversions Part 2

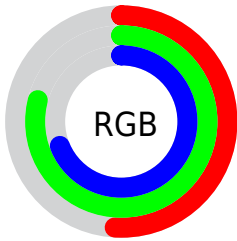
Format	Color
RYB	131, 175, 202
Decimal	8637103
CIELab	76.16, -28.32, 6.68
CIElCh	76, 29.098, 166.737
Yxy	50.1446, 0.2800, 0.3678
Android (android.graphics.Color)	4286827183 (0xFF83CAAF)
YUV	177.6930, -1.3276, -40.9498
Hunter-Lab	70.8128, -27.6908, 9.3778

Details

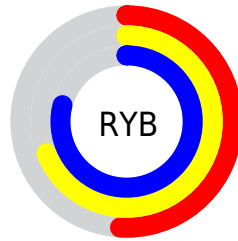
The RYB color **131, 175, 202** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **202, 131, 158**, and the grayscale version is **178, 178, 178**.

A 20% lighter version of the original color is **186, 228, 255**, and **78, 121, 148** is the 20% darker color. If you saturate the color by 10%, you get **111, 167, 202**, and if you desaturate by 10%, it is **151, 183, 202**.

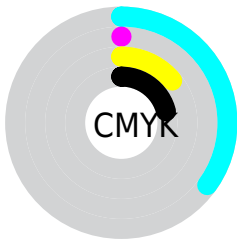
Distribution



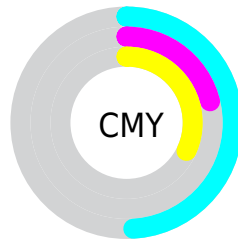
- Red (51%)
- Green (79%)
- Blue (69%)



- Red (51%)
- Yellow (69%)
- Blue (79%)



- Cyan (35%)
- Magenta (0%)
- Yellow (14%)
- Black (21%)





- Cyan (49%)
- Magenta (21%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the RYB color 131, 175, 202 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 131, 175, 202 by changing the saturation by 10% instead.


 131, 175, 202

 131, 175, 202


255, 255, 255

 104, 147, 174

 186, 228, 255

 78, 121, 148


 215, 235, 255

 51, 94, 122

 244, 250, 255


 22, 65, 96


 0, 42, 72

 0, 30, 49

 0, 26, 30

 0, 0, 0

 131, 175, 202

 131, 175, 202

■ 111, 167, 202

■ 151, 183, 202

■ 91, 160, 202

■ 171, 190, 202

■ 70, 152, 202

■ 192, 198, 202

■ 50, 144, 202

■ 212, 202, 206

■ 30, 136, 202

■ 232, 202, 214

■ 10, 129, 202

■ 252, 202, 221

■ 0, 125, 202

■ 255, 202, 229

■ 255, 202, 237

■ 255, 202, 245

Harmonies

Analogous

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



150, 198, 187



131, 175, 202



109, 156, 203

Triad

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



131, 175, 202



176, 184, 239



236, 181, 150

Complementary

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



131, 175, 202



202, 131, 158

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.



242, 168, 174



131, 175, 202



210, 176, 225

Square

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



131, 175, 202



137, 174, 239



234, 169, 201



200, 218, 136

Rectangle

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



131, 175, 202



106, 158, 219



234, 169, 201



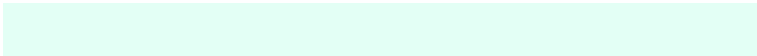
240, 174, 157

Sweetspot

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



131, 175, 202



227, 244, 255



131, 202, 174



111, 122, 128



0, 0, 0



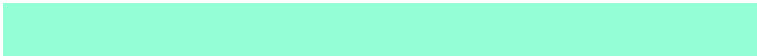
128, 128, 128

Same Dimension

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



131, 175, 202



148, 214, 255



131, 165, 202



92, 98, 102



0, 103, 166



0, 24, 38

Inverse Universe

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



202, 131, 158



255, 148, 189



202, 139, 131



102, 92, 96



166, 0, 64



38, 0, 15

Previews

White Background



This preview shows how the RYB color 131, 175, 202 looks on a white background.

Color Contrast Check

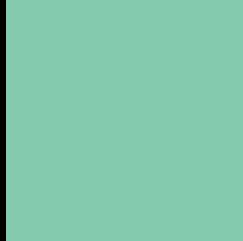
Large Text (above 18pt) WCAG AA × Fail

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 131, 175, 202 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 131, 175, 202 Background



This preview shows how black text looks on a background with the RYB color 131, 175, 202.

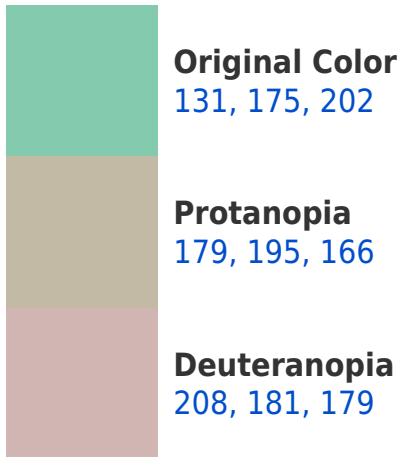


This preview shows how white text looks on a background with the RYB color 131, 175, 202.

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
140, 172, 212

Trichromacy



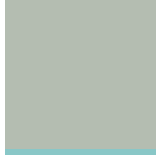
Original Color

131, 175, 202



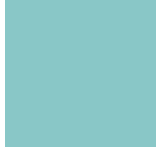
Protanomaly

169, 192, 189



Deuteranomaly

177, 189, 186



Tritanomaly

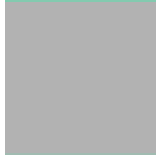
137, 168, 199

Monochromacy



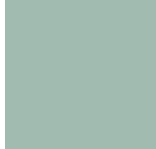
Original Color

131, 175, 202



Achromatopsia

178, 178, 178



Achromatomaly

161, 177, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 131, 175, 202 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(131, 202, 175)` looks like.

```
.text, #text, p{  
    color:rgb(131, 202, 175)  
}
```

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(131, 202, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 202, 175) }
```

Border

The CSS property to change the border of an element to RYB 131, 175, 202 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(131, 202, 175) }
```

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

```
.border{ border-color:rgb(131, 202, 175) }
```

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

Here you see how a box with a 4 pixel rgb(131, 202, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 202, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 202, 175);  
box-shadow:4px 4px 4px 4px rgb(131, 202,  
175) }
```

Background

The CSS property to change the background color of an element to RYB 131, 175, 202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 202, 175) }
```

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

```
.background{ background-color: rgb(131,  
202, 175) }
```

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