

Converting Colors

`RYB(135, 178, 205)`

Have a look what the booklet for
RYB(135, 178, 205) contains.

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Color

`RYB(135, 178, 205)`

Conversions

Conversions Part 1

Format	Color
Hex	87CDB3
RGB	135, 205, 179
RGB Percent	53%, 80%, 70%
CMY	0.4706, 0.1961, 0.2982
CMYK	0.34, 0.00, 0.13, 0.20
HSL	158°, 41%, 67%
HSV	158°, 34%, 80%
XYZ	39.9550, 52.0663, 50.5671
YIQ	181.1060, -33.3740, -22.9260

Conversions

Conversions Part 2

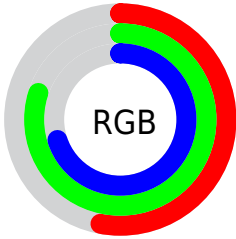
Format	Color
RYB	135, 178, 205
Decimal	8900019
CIELab	77.32, -27.69, 6.02
CIELCh	77, 28.336, 167.742
Yxy	52.0663, 0.2802, 0.3652
Android (android.graphics.Color)	4287090099 (0xFF87CDB3)
YUV	181.1060, -1.0383, -40.4350
Hunter-Lab	72.1570, -27.4352, 8.9599

Details

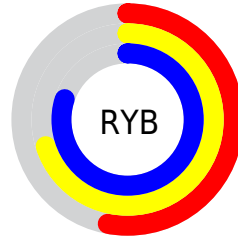
The RYB color **135, 178, 205** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **205, 135, 161**, and the grayscale version is **181, 181, 181**.

A 20% lighter version of the original color is **190, 228, 255**, and **82, 123, 150** is the 20% darker color. If you saturate the color by 10%, you get **115, 170, 205**, and if you desaturate by 10%, it is **156, 186, 205**.

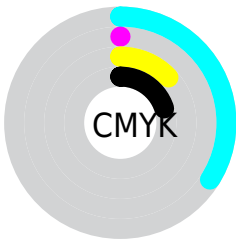
Distribution



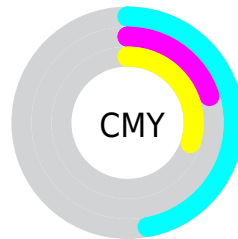
- Red (53%)
- Green (80%)
- Blue (70%)



- Red (53%)
- Yellow (70%)
- Blue (80%)



- Cyan (34%)
- Magenta (0%)
- Yellow (13%)
- Black (20%)



- Cyan (47%)
- Magenta (20%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RYB color 135, 178, 205 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 135, 178, 205 by changing the saturation by 10% instead.

 135, 178, 205


255, 255, 255


 190, 228, 255

 219, 237, 255

 248, 252, 255

 135, 178, 205


 108, 150, 177

 82, 123, 150

 56, 97, 124

 27, 69, 99

 0, 43, 75

 0, 32, 52

 0, 24, 32


 0, 0, 0

 135, 178, 205


 135, 178, 205

 115, 170, 205


 156, 186, 205

 94, 162, 205


 176, 194, 205

 73, 154, 205


 197, 202, 205

 53, 147, 205

 217, 205, 209

 32, 138, 205

 238, 205, 217

 12, 131, 205

 255, 205, 225

 0, 126, 205

 255, 205, 232

 255, 205, 240

 255, 205, 248

Harmonies

Analogous

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



155, 201, 192



135, 178, 205



115, 161, 206

Triad

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



135, 178, 205



180, 187, 241



238, 186, 153

Complementary

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



135, 178, 205



205, 135, 161

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.



244, 172, 176



135, 178, 205



214, 179, 226

Square

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



135, 178, 205



144, 178, 242



236, 173, 203



199, 220, 140

Rectangle

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



135, 178, 205



113, 163, 222



236, 173, 203



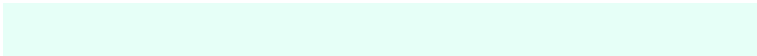
242, 178, 160

Sweetspot

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



135, 178, 205



230, 245, 255



135, 205, 178



112, 122, 128



0, 0, 0



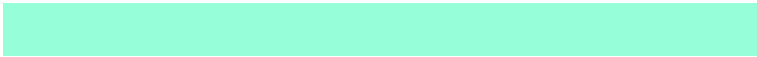
128, 128, 128

Same Dimension

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



135, 178, 205



150, 214, 255



135, 168, 205



92, 98, 102



0, 102, 166



0, 23, 38

Inverse Universe

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



205, 135, 161



255, 150, 189



205, 144, 135



102, 92, 96



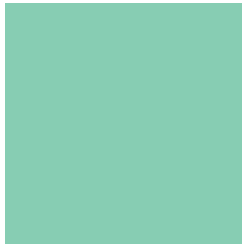
166, 0, 62



38, 0, 14

Previews

White Background



This preview shows how the RYB color 135, 178, 205 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 135, 178, 205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

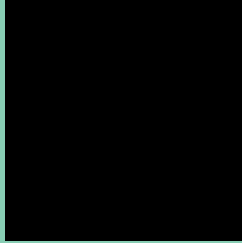
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

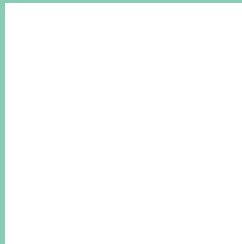
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 135, 178, 205 Background



This preview shows how black text looks on a background with the RYB color 135, 178, 205.

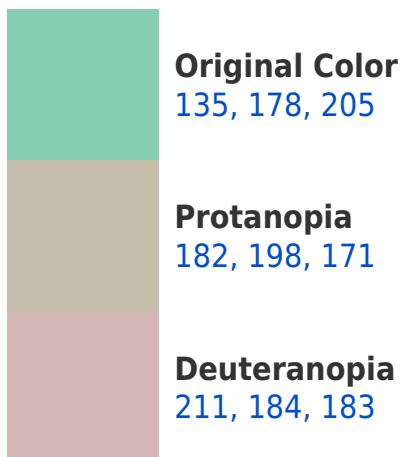


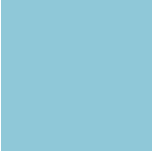
This preview shows how white text looks on a background with the RYB color 135, 178, 205.

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
143, 175, 216

Trichromacy



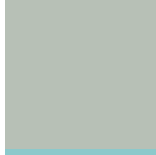
Original Color

135, 178, 205



Protanomaly

174, 195, 194



Deuteranomaly

182, 192, 191



Tritanomaly

140, 171, 203

Monochromacy



Original Color

135, 178, 205



Achromatopsia

181, 181, 181



Achromatomaly

164, 180, 190

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 178, 205 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(135, 205, 179)` looks like.

```
.text, #text, p{  
    color:rgb(135, 205, 179)  
}
```

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(135, 205, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 205, 179) }
```

Border

The CSS property to change the border of an element to RYB 135, 178, 205 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(135, 205, 179) }
```

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

```
.border{ border-color:rgb(135, 205, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 205, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 205, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 205, 179);  
box-shadow:4px 4px 4px 4px rgb(135, 205,  
179) }
```

Background

The CSS property to change the background color of an element to RYB 135, 178, 205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 205, 179) }
```

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

```
.background{ background-color: rgb(135,  
205, 179) }
```

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](#).

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