

Converting Colors

`RYB(135, 169, 199)`

Have a look what the booklet for RYB(135, 169, 199) contains.

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Color

R_YB(135, 169, 199)

Conversions

Conversions Part 1

Format	Color
Hex	87C7BF
RGB	135, 199, 191
RGB Percent	53%, 78%, 75%
CMY	0.4706, 0.2196, 0.2491
CMYK	0.32, 0.00, 0.04, 0.22
HSL	173°, 36%, 65%
HSV	173°, 32%, 78%
XYZ	39.8710, 49.7801, 57.0693
YIQ	178.9520, -35.5760, -16.0560

Conversions

Conversions Part 2

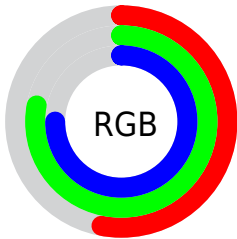
Format	Color
RYB	135, 169, 199
Decimal	8898495
CIELab	75.93, -21.98, -2.75
CIElCh	76, 22.148, 187.125
Yxy	49.7801, 0.2717, 0.3393
Android (android.graphics.Color)	4287088575 (0xFF87C7BF)
YUV	178.9520, 5.9397, -38.5459
Hunter-Lab	70.5550, -22.6001, 1.4311

Details

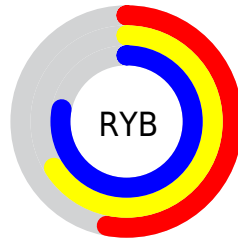
The RYB color **135, 169, 199** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **199, 135, 143**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **190, 225, 255**, and **82, 115, 145** is the 20% darker color. If you saturate the color by 10%, you get **115, 160, 199**, and if you desaturate by 10%, it is **155, 178, 199**.

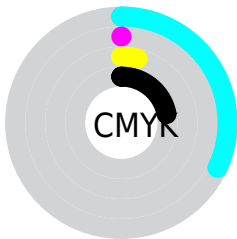
Distribution



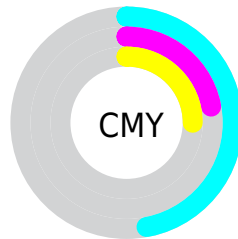
- Red (53%)
- Green (78%)
- Blue (75%)



- Red (53%)
- Yellow (66%)
- Blue (78%)



- Cyan (32%)
- Magenta (0%)
- Yellow (4%)
- Black (22%)



- Cyan (47%)
- Magenta (22%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the RYB color 135, 169, 199 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, 169, 199 by changing the saturation by 10% instead.

 135, 169, 199

255, 255, 255


 190, 224, 255


 219, 237, 255

 248, 252, 255

 135, 169, 199

 108, 142, 172

 82, 115, 145

 56, 89, 119

 28, 63, 94

 0, 36, 70

 0, 25, 47

 0, 15, 28

 0, 0, 0

 135, 169, 199

 135, 169, 199

■ 115, 160, 199

■ 155, 178, 199

■ 95, 150, 199

■ 175, 188, 199

■ 75, 141, 199

■ 195, 197, 199

■ 55, 132, 199

■ 215, 199, 201

■ 36, 123, 199

■ 235, 199, 203

■ 16, 113, 199

■ 254, 199, 206

■ 0, 106, 199

■ 255, 199, 208

■ 255, 199, 210

■ 255, 199, 213

Harmonies

Analogous

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



152, 185, 198



135, 169, 199



131, 167, 211

Triad

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



135, 169, 199



197, 180, 220



217, 208, 150

Complementary

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



135, 169, 199



199, 135, 143

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.



228, 178, 163



135, 169, 199



218, 175, 204

Square

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



135, 169, 199



170, 183, 227



229, 173, 183



161, 198, 147

Rectangle

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



135, 169, 199



138, 172, 221



229, 173, 183



221, 191, 154

Sweetspot

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



135, 169, 199



230, 243, 255



135, 199, 190



112, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



135, 169, 199



156, 209, 255



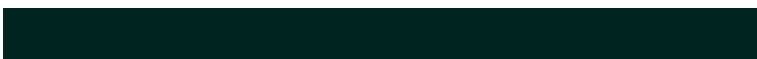
135, 160, 199



90, 95, 99



0, 87, 163



0, 19, 36

Inverse Universe

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



199, 135, 143



255, 156, 167



199, 171, 135



99, 90, 91



163, 0, 19



36, 0, 4

Previews

White Background



This preview shows how the RYB color 135, 169, 199 looks on a white background.

Color Contrast Check

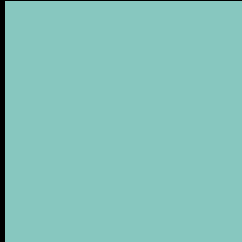
Large Text (above 18pt) WCAG AA × Fail

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, 169, 199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

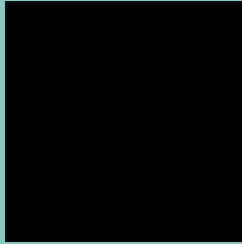
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

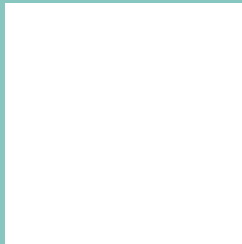
Any Text WCAG AAA ✓ Pass

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

RYB 135, 169, 199 Background



This preview shows how black text looks on a background with the RYB color 135, 169, 199.

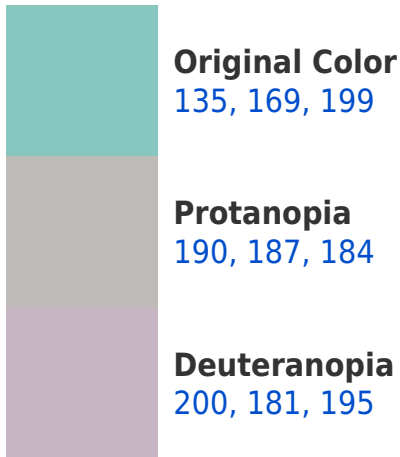


This preview shows how white text looks on a background with the RYB color 135, 169, 199.

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

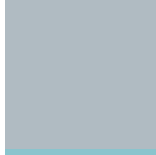
Trichromacy



Original Color
135, 169, 199



Protanomaly
170, 182, 191



Deuteranomaly
176, 183, 194

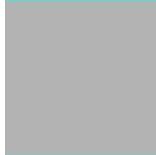


Tritanomaly
138, 169, 205

Monochromacy



Original Color
135, 169, 199



Achromatopsia
179, 179, 179



Achromatomaly
163, 175, 186

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 169, 199 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, 199, 191)` looks like.

```
.text, #text, p{  
    color:rgb(135, 199, 191)  
}
```

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, 199, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 199, 191) }
```

Border

The CSS property to change the border of an element to RYB 135, 169, 199 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, 199, 191) }
```

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

```
.border{ border-color:rgb(135, 199, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 199, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 199, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 199, 191);  
box-shadow:4px 4px 4px 4px rgb(135, 199,  
191) }
```

Background

The CSS property to change the background color of an element to RYB 135, 169, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 199, 191) }
```

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

```
.background{ background-color: rgb(135,  
199, 191) }
```

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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