

Converting Colors

`RYB(135, 173, 216)`

Have a look what the booklet for
RYB(135, 173, 216) contains.

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Color

R_YB(135, 173, 216)

Conversions

Conversions Part 1

Format	Color
Hex	87CFD8
RGB	135, 207, 216
RGB Percent	53%, 81%, 85%
CMY	0.4706, 0.1899, 0.1529
CMYK	0.38, 0.04, 0.00, 0.15
HSL	187°, 51%, 69%
HSV	187°, 38%, 85%
XYZ	44.5979, 54.5318, 73.1409
YIQ	186.4980, -45.8010, -12.4650

Conversions

Conversions Part 2

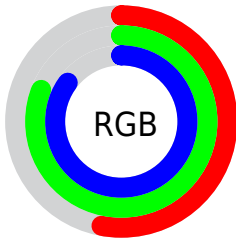
Format	Color
RYB	135, 173, 216
Decimal	8900568
CIELab	78.77, -19.96, -11.76
CIELCh	79, 23.168, 210.504
Yxy	54.5318, 0.2589, 0.3165
Android (android.graphics.Color)	4287090648 (0xFF87CFD8)
YUV	186.4980, 14.5445, -45.1637
Hunter-Lab	73.8457, -21.4278, -7.0322

Details

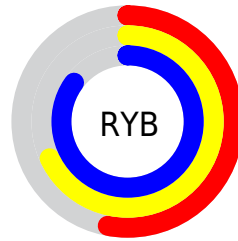
The RYB color **135, 173, 216** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **216, 145, 135**, and the grayscale version is **186, 186, 186**.

A 20% lighter version of the original color is **191, 223, 255**, and **80, 118, 161** is the 20% darker color. If you saturate the color by 10%, you get **113, 161, 216**, and if you desaturate by 10%, it is **157, 185, 216**.

Distribution



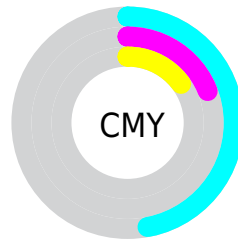
- Red (53%)
- Green (81%)
- Blue (85%)



- Red (53%)
- Yellow (68%)
- Blue (85%)



- Cyan (38%)
- Magenta (4%)
- Yellow (0%)
- Black (15%)




- Cyan (47%)
- Magenta (19%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 135, 173, 216 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, 173, 216 by changing the saturation by 10% instead.

 135, 173, 216


255, 255, 255


 191, 223, 255

 220, 238, 255

 249, 252, 255

 135, 173, 216

 107, 145, 188


 80, 118, 161

 52, 91, 135

 17, 61, 110

 0, 40, 85

 0, 29, 62

 0, 18, 40

 0, 1, 20

 0, 0, 0

■ 135, 173, 216

■ 135, 173, 216

■ 113, 161, 216

■ 157, 185, 216

■ 92, 150, 216

■ 178, 196, 216

■ 70, 138, 216

■ 200, 207, 216

■ 49, 127, 216

■ 221, 217, 216

■ 27, 116, 216

■ 243, 219, 216

■ 5, 104, 216

■ 255, 223, 216

■ 0, 101, 216

■ 255, 226, 216

■ 255, 231, 216

■ 255, 236, 216

Harmonies

Analogous

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



143, 178, 207



135, 173, 216



145, 180, 232

Triad

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



135, 173, 216



223, 183, 217



176, 211, 152

Complementary

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



135, 173, 216



216, 145, 135

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.



229, 207, 158



135, 173, 216



237, 180, 195

Square

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



135, 173, 216



199, 189, 232



239, 182, 174



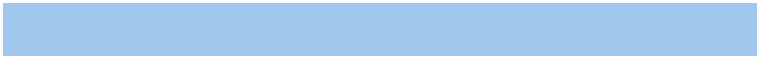
158, 200, 170

Rectangle

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



135, 173, 216



161, 186, 237



239, 182, 174



199, 218, 153

Sweetspot

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



135, 173, 216



227, 240, 255



135, 209, 216



111, 119, 128



0, 0, 0



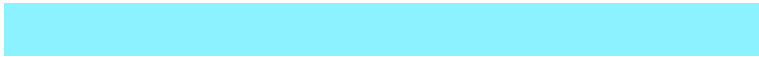
128, 128, 128

Same Dimension

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



135, 173, 216



140, 194, 255



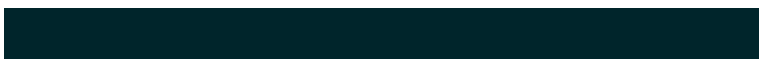
135, 158, 216



96, 101, 107



0, 80, 171



0, 20, 43

Inverse Universe

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



216, 135, 207



255, 140, 242



188, 216, 135



107, 96, 106



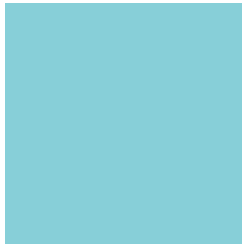
171, 0, 151



43, 0, 38

Previews

White Background



This preview shows how the RYB color 135, 173, 216 looks on a white background.

Color Contrast Check

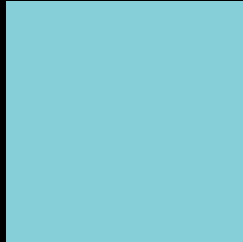
Large Text (above 18pt) WCAG AA × Fail

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, 173, 216 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, 173, 216 Background



This preview shows how black text looks on a background with the RYB color 135, 173, 216.

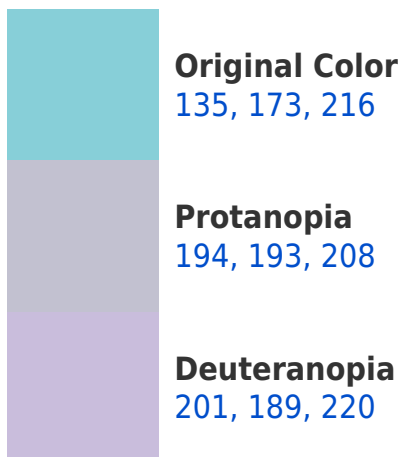


This preview shows how white text looks on a background with the RYB color 135, 173, 216.

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



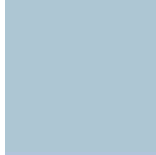


Tritanopia
137, 175, 222

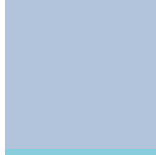
Trichromacy



Original Color
135, 173, 216



Protanomaly
173, 188, 211



Deuteranomaly
177, 190, 219

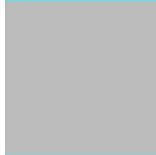


Tritanomaly
136, 174, 220

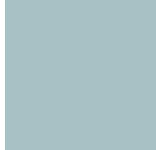
Monochromacy



Original Color
135, 173, 216



Achromatopsia
186, 186, 186



Achromatomaly
167, 181, 197

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 173, 216 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, 207, 216)` looks like.

```
.text, #text, p{  
    color:rgb(135, 207, 216)  
}
```

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, 207, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 207, 216) }
```

Border

The CSS property to change the border of an element to RYB 135, 173, 216 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, 207, 216) }
```

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

```
.border{ border-color:rgb(135, 207, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 207, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 207, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 207, 216);  
box-shadow:4px 4px 4px 4px rgb(135, 207,  
216) }
```

Background

The CSS property to change the background color of an element to RYB 135, 173, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 207, 216) }
```

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

```
.background{ background-color: rgb(135,  
207, 216) }
```

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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