

Converting Colors

`RYB(135, 170, 187)`

Have a look what the booklet for
RYB(135, 170, 187) contains.

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Color

R_YB(135, 170, 187)

Conversions

Conversions Part 1

Format	Color
Hex	87BBA0
RGB	135, 187, 160
RGB Percent	53%, 73%, 63%
CMY	0.4706, 0.2667, 0.3715
CMYK	0.28, 0.00, 0.14, 0.27
HSL	149°, 28%, 63%
HSV	149°, 28%, 73%
XYZ	34.1297, 43.2386, 39.9228
YIQ	168.3740, -22.3250, -19.4210

Conversions

Conversions Part 2

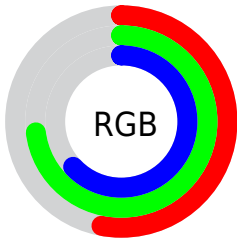
Format	Color
RYB	135, 170, 187
Decimal	8895392
CIELab	71.72, -22.70, 8.09
CIELCh	72, 24.100, 160.391
Yxy	43.2386, 0.2910, 0.3686
Android (android.graphics.Color)	4287085472 (0xFF87BBA0)
YUV	168.3740, -4.1284, -29.2690
Hunter-Lab	65.7561, -22.4254, 10.0322

Details

The RYB color **135, 170, 187** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **187, 135, 162**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **189, 225, 243**, and **84, 117, 134** is the 20% darker color. If you saturate the color by 10%, you get **116, 164, 187**, and if you desaturate by 10%, it is **154, 176, 187**.

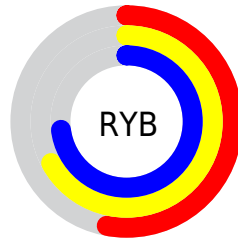
Distribution



Red (53%)

Green (73%)

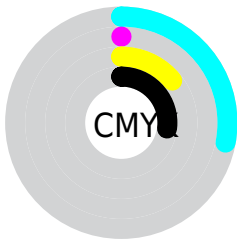
Blue (63%)



Red (53%)

Yellow (67%)

Blue (73%)

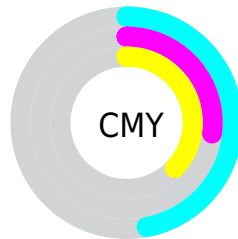


Cyan (28%)

Magenta (0%)

Yellow (14%)

Black (27%)



Cyan (47%)

Magenta (27%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 135, 170, 187 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, 170, 187 by changing the saturation by 10% instead.

 135, 170, 187

255, 255, 255


 189, 225, 243

 217, 240, 255

 246, 251, 255

 135, 170, 187

 109, 143, 160


 84, 117, 134

 59, 91, 108

 34, 66, 84


 7, 40, 60

 0, 25, 38


 0, 12, 12


 0, 0, 0


 135, 170, 187


 135, 170, 187


 116, 164, 187


 154, 176, 187


 98, 158, 187


 172, 182, 187

 79, 152, 187


 191, 187, 189

 60, 145, 187

 210, 187, 199

 42, 140, 187

 228, 187, 208

 23, 133, 187

 247, 187, 218

 4, 127, 187

 255, 187, 228

 0, 126, 187

 255, 187, 237

 255, 187, 247

Harmonies

Analogous

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



142, 183, 165



135, 170, 187



117, 154, 188

Triad

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



135, 170, 187



160, 172, 219



218, 167, 148

Complementary

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



135, 170, 187



187, 135, 162

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.



220, 160, 169



135, 170, 187



189, 168, 209

Square

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



135, 170, 187



131, 163, 217



210, 162, 191



205, 201, 135

Rectangle

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



135, 170, 187



112, 152, 197



210, 162, 191



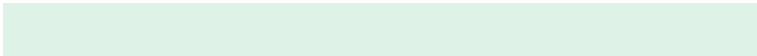
220, 162, 154

Sweetspot

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



135, 170, 187



223, 236, 242



135, 187, 160



110, 118, 122



250, 250, 250



122, 122, 122

Same Dimension

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



135, 170, 187



162, 216, 242



135, 161, 187



85, 91, 94



0, 106, 158



0, 21, 31

Inverse Universe

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



187, 135, 162



242, 162, 203



187, 135, 136



94, 85, 90



158, 0, 81



31, 0, 16

Previews

White Background



This preview shows how the RYB color 135, 170, 187 looks on a white background.

Color Contrast Check

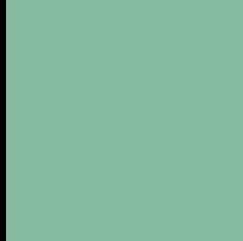
Large Text (above 18pt) WCAG AA × Fail

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, 170, 187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

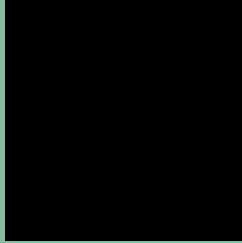
Any Text WCAG AA ✓ Pass

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, 170, 187 Background



This preview shows how black text looks on a background with the RYB color 135, 170, 187.

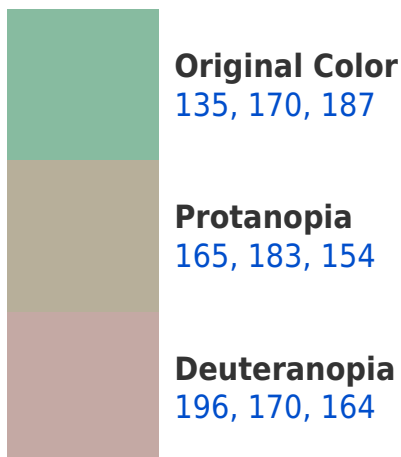


This preview shows how white text looks on a background with the RYB color 135, 170, 187.

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](#).

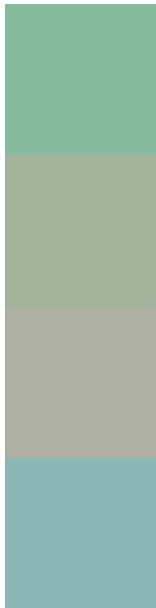
Dichromacy





Tritanopia
142, 165, 196

Trichromacy



Original Color
135, 170, 187

Protanomaly
156, 179, 169

Deuteranomaly
163, 176, 165

Tritanomaly
139, 162, 184

Monochromacy



Original Color
135, 170, 187

Achromatopsia
168, 168, 168

Achromatomaly
156, 169, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 170, 187 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, 187, 160)` looks like.

```
.text, #text, p{  
    color:rgb(135, 187, 160)  
}
```

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, 187, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 187, 160) }
```

Border

The CSS property to change the border of an element to RYB 135, 170, 187 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, 187, 160) }
```

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

```
.border{ border-color:rgb(135, 187, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 187, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 187, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 187, 160);  
box-shadow:4px 4px 4px 4px rgb(135, 187,  
160) }
```

Background

The CSS property to change the background color of an element to RYB 135, 170, 187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 187, 160) }
```

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

```
.background{ background-color: rgb(135,  
187, 160) }
```

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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