

Converting Colors

`RYB(133, 180, 223)`

Have a look what the booklet for
RYB(133, 180, 223) contains.

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Color

`RYB(133, 180, 223)`

Conversions

Conversions Part 1

Format	Color
Hex	85DFD7
RGB	133, 223, 215
RGB Percent	52%, 87%, 84%
CMY	0.4784, 0.1255, 0.1555
CMYK	0.40, 0.00, 0.03, 0.13
HSL	175°, 58%, 70%
HSV	175°, 40%, 87%
XYZ	48.3701, 62.6857, 74.0697
YIQ	195.1780, -51.0720, -21.5680

Conversions

Conversions Part 2

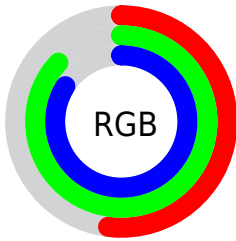
Format	Color
RYB	133, 180, 223
Decimal	8773591
CIELab	83.28, -28.72, -4.73
CIELCh	83, 29.111, 189.350
Yxy	62.6857, 0.2613, 0.3386
Android (android.graphics.Color)	4286963671 (0xFF85DFD7)
YUV	195.1780, 9.7722, -54.5301
Hunter-Lab	79.1743, -29.5038, -0.0454

Details

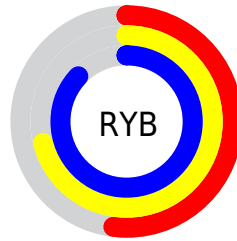
The RYB color **133, 180, 223** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **223, 133, 141**, and the grayscale version is **195, 195, 195**.

A 20% lighter version of the original color is **190, 223, 255**, and **76, 123, 167** is the 20% darker color. If you saturate the color by 10%, you get **111, 170, 223**, and if you desaturate by 10%, it is **155, 191, 223**.

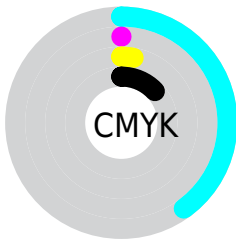
Distribution



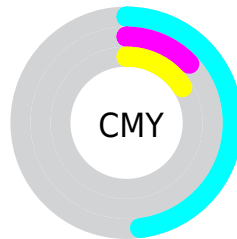
- Red (52%)
- Green (87%)
- Blue (84%)



- Red (52%)
- Yellow (71%)
- Blue (87%)



- Cyan (40%)
- Magenta (0%)
- Yellow (3%)
- Black (13%)



- Cyan (48%)
- Magenta (13%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 180, 223 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 133, 180, 223 by changing the saturation by 10% instead.

 133, 180, 223

255, 255, 255


 190, 223, 255

 219, 237, 255

 249, 252, 255

 133, 180, 223


 105, 152, 195

 76, 123, 167


 46, 95, 141

 0, 59, 115

 0, 46, 90

 0, 34, 66

 0, 22, 43

 0, 10, 20

 0, 0, 0

■ 133, 180, 223

■ 133, 180, 223

■ 111, 170, 223

■ 155, 191, 223

■ 88, 158, 223

■ 178, 202, 223

■ 66, 148, 223

■ 200, 212, 223

■ 44, 137, 223

■ 222, 223, 223

■ 21, 126, 223

■ 244, 223, 225

■ 0, 116, 223

■ 255, 223, 227

■ 255, 223, 229

■ 255, 223, 231

■ 255, 223, 232

Harmonies

Analogous

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



157, 201, 221



133, 180, 223



128, 179, 241

Triad

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



133, 180, 223



223, 198, 250



244, 238, 157

Complementary

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



133, 180, 223



223, 133, 141

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.



255, 196, 174



133, 180, 223



250, 190, 227

Square

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



133, 180, 223



186, 202, 255



255, 188, 200



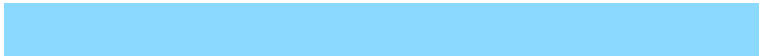
166, 219, 153

Rectangle

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



133, 180, 223



140, 186, 254



255, 188, 200



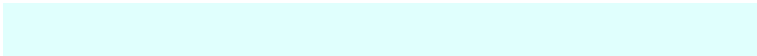
251, 218, 161

Sweetspot

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



133, 180, 223



224, 240, 255



133, 223, 214



110, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



133, 180, 223



133, 197, 255



133, 167, 223



101, 107, 112



0, 92, 176



0, 25, 48

Inverse Universe

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



223, 133, 141



255, 133, 143



223, 193, 133



112, 101, 102



176, 0, 15



48, 0, 4

Previews

White Background



This preview shows how the RYB color 133, 180, 223 looks on a white background.

Color Contrast Check

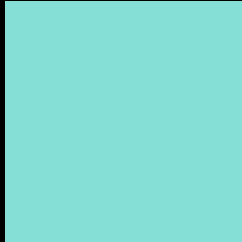
Large Text (above 18pt) WCAG AA × Fail

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 133, 180, 223 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

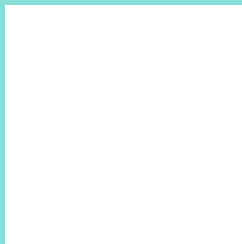
Any Text WCAG AAA ✓ Pass

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

RYB 133, 180, 223 Background



This preview shows how black text looks on a background with the RYB color 133, 180, 223.

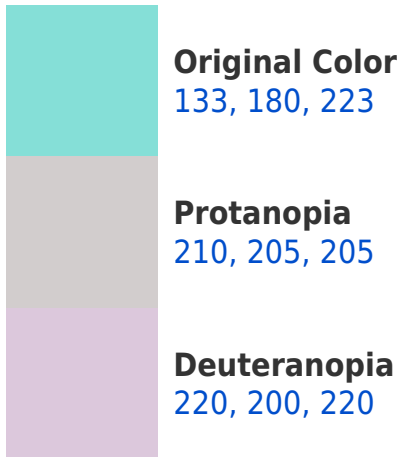


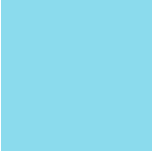
This preview shows how white text looks on a background with the RYB color 133, 180, 223.

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
139, 183, 237

Trichromacy



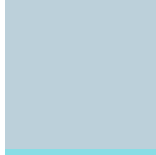
Original Color

133, 180, 223



Protanomaly

182, 198, 212



Deuteranomaly

188, 200, 218



Tritanomaly

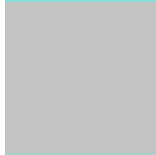
137, 181, 229

Monochromacy



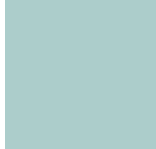
Original Color

133, 180, 223



Achromatopsia

195, 195, 195



Achromatomaly

172, 189, 205

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 180, 223 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(133, 223, 215)` looks like.

```
.text, #text, p{  
    color:rgb(133, 223, 215)  
}
```

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(133, 223, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 223, 215) }
```

Border

The CSS property to change the border of an element to RYB 133, 180, 223 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(133, 223, 215) }
```

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

```
.border{ border-color:rgb(133, 223, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 223, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 223, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 223, 215);  
box-shadow:4px 4px 4px 4px rgb(133, 223,  
215) }
```

Background

The CSS property to change the background color of an element to RYB 133, 180, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 223, 215) }
```

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

```
.background{ background-color: rgb(133,  
223, 215) }
```

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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