

Converting Colors

`RYB(133, 174, 213)`

Have a look what the booklet for
RYB(133, 174, 213) contains.

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Color

R_YB(133, 174, 213)

Conversions

Conversions Part 1

Format	Color
Hex	85D5D1
RGB	133, 213, 209
RGB Percent	52%, 84%, 82%
CMY	0.4784, 0.1647, 0.1800
CMYK	0.38, 0.00, 0.02, 0.16
HSL	177°, 49%, 68%
HSV	177°, 38%, 84%
XYZ	44.9878, 57.1833, 69.0513
YIQ	188.6240, -46.3960, -18.2040

Conversions

Conversions Part 2

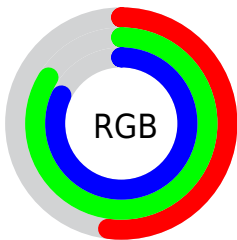
Format	Color
RYB	133, 174, 213
Decimal	8771025
CIELab	80.28, -25.35, -5.83
CIElCh	80, 26.009, 192.944
Yxy	57.1833, 0.2627, 0.3340
Android (android.graphics.Color)	4286961105 (0xFF85D5D1)
YUV	188.6240, 10.0454, -48.7822
Hunter-Lab	75.6197, -26.1408, -1.2063

Details

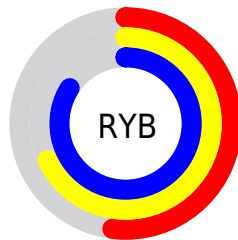
The RYB color **133, 174, 213** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **213, 133, 137**, and the grayscale version is **189, 189, 189**.

A 20% lighter version of the original color is **189, 222, 255**, and **78, 119, 158** is the 20% darker color. If you saturate the color by 10%, you get **112, 164, 213**, and if you desaturate by 10%, it is **154, 184, 213**.

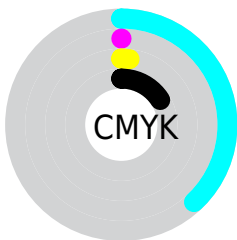
Distribution



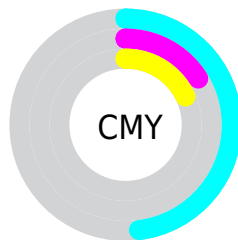
- Red (52%)
- Green (84%)
- Blue (82%)



- Red (52%)
- Yellow (68%)
- Blue (84%)



- Cyan (38%)
- Magenta (0%)
- Yellow (2%)
- Black (16%)



- Cyan (48%)
- Magenta (16%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 174, 213 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, 174, 213 by changing the saturation by 10% instead.

 133, 174, 213

255, 255, 255


 189, 222, 255

 218, 237, 255

 248, 252, 255

 133, 174, 213

 105, 146, 185

 78, 119, 158

 49, 91, 132

 11, 59, 106

 0, 42, 82

 0, 29, 58


 0, 19, 37

 0, 3, 15


 0, 0, 0


 133, 174, 213


 133, 174, 213

 112, 164, 213


 154, 184, 213

 90, 153, 213


 176, 195, 213

 69, 143, 213


 197, 205, 213

 48, 133, 213


 218, 213, 213

 27, 122, 213

 240, 213, 214

 5, 112, 213

 255, 213, 215

 0, 109, 213

 255, 213, 216

 255, 213, 217

 255, 213, 218

Harmonies

Analogous

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



152, 191, 212



133, 174, 213



132, 176, 231

Triad

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



133, 174, 213



216, 189, 235



224, 230, 153

Complementary

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



133, 174, 213



213, 133, 137

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.



245, 192, 167



133, 174, 213



239, 183, 214

Square

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



133, 174, 213



184, 195, 246



249, 182, 189



158, 206, 152

Rectangle

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



133, 174, 213



143, 182, 242



249, 182, 189



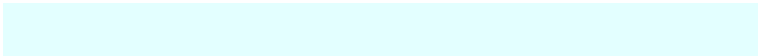
236, 214, 157

Sweetspot

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



133, 174, 213



227, 241, 255



133, 213, 209



111, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



133, 174, 213



140, 199, 255



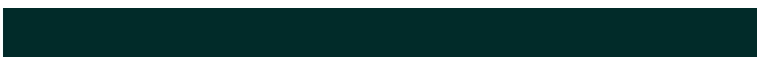
133, 161, 213



96, 102, 107



0, 88, 171



0, 22, 43

Inverse Universe

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



213, 133, 137



255, 140, 146



213, 198, 133



107, 96, 97



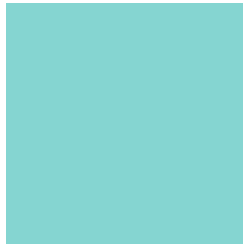
171, 0, 8



43, 0, 2

Previews

White Background



This preview shows how the RYB color 133, 174, 213 looks on a white background.

Color Contrast Check

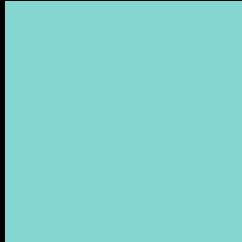
Large Text (above 18pt) WCAG AA × Fail

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, 174, 213 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

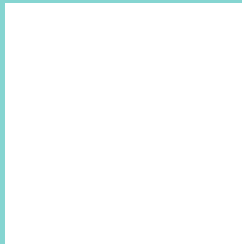
Any Text WCAG AAA ✓ Pass

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

RYB 133, 174, 213 Background



This preview shows how black text looks on a background with the RYB color 133, 174, 213.

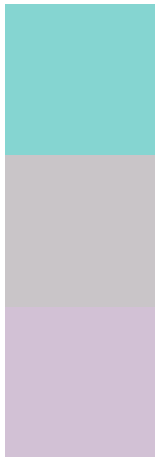


This preview shows how white text looks on a background with the RYB color 133, 174, 213.

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



Original Color
133, 174, 213

Protanopia
201, 197, 200

Deuteranopia
210, 193, 213



Tritanopia
138, 178, 227

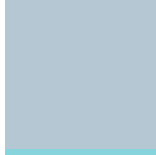
Trichromacy



Original Color
133, 174, 213



Protanomaly
176, 190, 203



Deuteranomaly
182, 193, 212

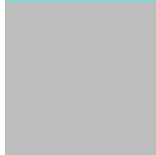


Tritanomaly
136, 176, 220

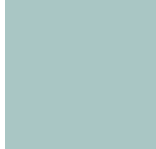
Monochromacy



Original Color
133, 174, 213



Achromatopsia
189, 189, 189



Achromatomaly
169, 184, 198

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 174, 213 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, 213, 209)` looks like.

```
.text, #text, p{  
    color:rgb(133, 213, 209)  
}
```

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, 213, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 213, 209) }
```

Border

The CSS property to change the border of an element to RYB 133, 174, 213 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, 213, 209) }
```

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

```
.border{ border-color:rgb(133, 213, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 213, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 213, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 213, 209);  
box-shadow:4px 4px 4px 4px rgb(133, 213,  
209) }
```

Background

The CSS property to change the background color of an element to RYB 133, 174, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 213, 209) }
```

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

```
.background{ background-color: rgb(133,  
213, 209) }
```

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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