

Converting Colors

`RYB(133, 171, 202)`

Have a look what the booklet for
RYB(133, 171, 202) contains.

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Color

R_YB(133, 171, 202)

Conversions

Conversions Part 1

Format	Color
Hex	85CABD
RGB	133, 202, 189
RGB Percent	52%, 79%, 74%
CMY	0.4784, 0.2078, 0.2577
CMYK	0.34, 0.00, 0.06, 0.21
HSL	169°, 39%, 66%
HSV	169°, 34%, 79%
XYZ	40.0102, 50.9143, 56.0277
YIQ	179.8870, -36.9510, -18.6710

Conversions

Conversions Part 2

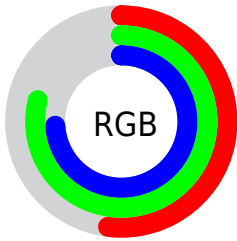
Format	Color
RYB	133, 171, 202
Decimal	8768189
CIELab	76.63, -24.53, -0.57
CIELCh	77, 24.535, 181.320
Yxy	50.9143, 0.2723, 0.3465
Android (android.graphics.Color)	4286958269 (0xFF85CABD)
YUV	179.8870, 4.4927, -41.1199
Hunter-Lab	71.3543, -24.7804, 3.3932

Details

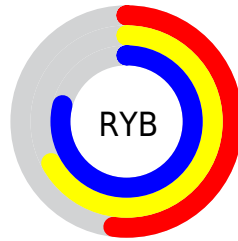
The RYB color **133, 171, 202** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **202, 133, 146**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **188, 224, 255**, and **80, 117, 148** is the 20% darker color. If you saturate the color by 10%, you get **113, 162, 202**, and if you desaturate by 10%, it is **153, 180, 202**.

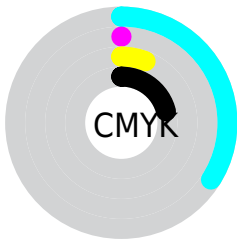
Distribution



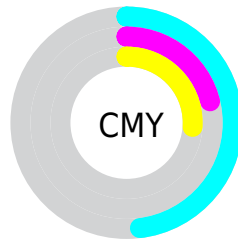
- Red (52%)
- Green (79%)
- Blue (74%)



- Red (52%)
- Yellow (67%)
- Blue (79%)



- Cyan (34%)
- Magenta (0%)
- Yellow (6%)
- Black (21%)



- Cyan (48%)
- Magenta (21%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 171, 202 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, 171, 202 by changing the saturation by 10% instead.

 133, 171, 202

255, 255, 255


 188, 224, 255

 217, 236, 255

 246, 251, 255

 133, 171, 202

 106, 143, 174

 80, 117, 148

 53, 90, 122

 24, 63, 97

 0, 38, 72

 0, 27, 49

 0, 18, 30


 0, 0, 0


 133, 171, 202


 133, 171, 202

 113, 162, 202


 153, 180, 202

 93, 153, 202


 173, 189, 202

 72, 144, 202


 194, 199, 202

 52, 135, 202

 214, 202, 204

 32, 126, 202

 234, 202, 208

 12, 117, 202

 254, 202, 212

 0, 111, 202

 255, 202, 215

 255, 202, 219

 255, 202, 223

Harmonies

Analogous

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



155, 191, 200



133, 171, 202



124, 165, 212

Triad

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



133, 171, 202



194, 183, 228



225, 200, 150

Complementary

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



133, 171, 202



202, 133, 146

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.



235, 176, 167



133, 171, 202



219, 176, 211

Square

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



133, 171, 202



163, 183, 234



234, 173, 189



168, 205, 144

Rectangle

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



133, 171, 202



130, 170, 224



234, 173, 189



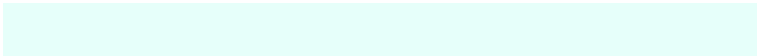
229, 188, 155

Sweetspot

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



133, 171, 202



230, 244, 255



133, 202, 188



112, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



133, 171, 202



150, 208, 255



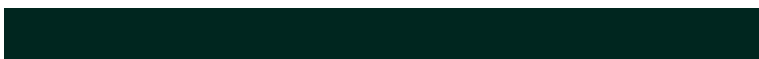
133, 161, 202



92, 98, 102



0, 92, 166



0, 21, 38

Inverse Universe

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



202, 133, 146



255, 150, 170



202, 163, 133



102, 92, 94



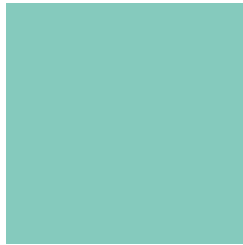
166, 0, 31



38, 0, 7

Previews

White Background



This preview shows how the RYB color 133, 171, 202 looks on a white background.

Color Contrast Check

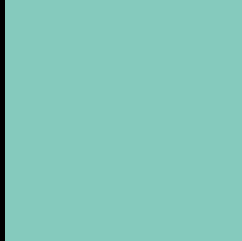
Large Text (above 18pt) WCAG AA × Fail

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, 171, 202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

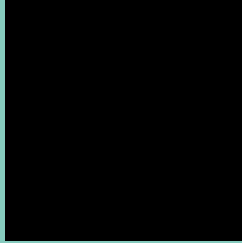
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

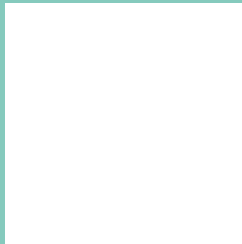
Any Text WCAG AAA ✓ Pass

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

RYB 133, 171, 202 Background



This preview shows how black text looks on a background with the RYB color 133, 171, 202.

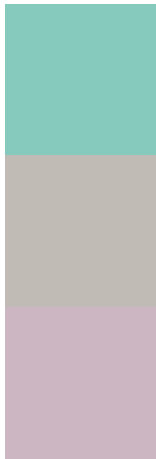


This preview shows how white text looks on a background with the RYB color 133, 171, 202.

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, 171, 202

Protanopia
193, 193, 181

Deuteranopia
204, 182, 193



Tritanopia
139, 172, 214

Trichromacy



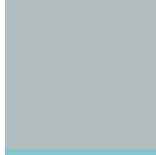
Original Color

133, 171, 202



Protanomaly

171, 184, 192



Deuteranomaly

178, 184, 192



Tritanomaly

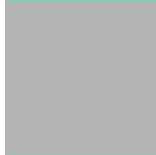
137, 169, 205

Monochromacy



Original Color

133, 171, 202



Achromatopsia

180, 180, 180



Achromatomaly

163, 177, 188

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 171, 202 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, 202, 189)` looks like.

```
.text, #text, p{  
    color:rgb(133, 202, 189)  
}
```

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, 202, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 202, 189) }
```

Border

The CSS property to change the border of an element to RYB 133, 171, 202 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, 202, 189) }
```

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

```
.border{ border-color:rgb(133, 202, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 202, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 202, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 202, 189);  
box-shadow:4px 4px 4px 4px rgb(133, 202,  
189) }
```

Background

The CSS property to change the background color of an element to RYB 133, 171, 202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 202, 189) }
```

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

```
.background{ background-color: rgb(133,  
202, 189) }
```

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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