

Converting Colors

`RYB(133, 171, 220)`

Have a look what the booklet for
RYB(133, 171, 220) contains.

RYB(133, 171, 220)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

$\text{RYB}(133, 171, 220)$

Conversions

Conversions Part 1

Format	Color
Hex	85C8DC
RGB	133, 200, 220
RGB Percent	52%, 78%, 86%
CMY	0.4784, 0.2138, 0.1373
CMYK	0.40, 0.09, 0.00, 0.14
HSL	193°, 55%, 69%
HSV	193°, 40%, 86%
XYZ	43.3543, 51.6802, 75.4004
YIQ	182.2470, -46.3520, -7.9840

Conversions

Conversions Part 2

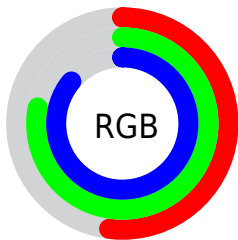
Format	Color
RYB	133, 171, 220
Decimal	8767708
CIELab	77.09, -16.36, -16.44
CIElCh	77, 23.195, 225.151
Yxy	51.6802, 0.2544, 0.3032
Android (android.graphics.Color)	4286957788 (0xFF85C8DC)
YUV	182.2470, 18.6122, -43.1896
Hunter-Lab	71.8889, -18.1570, -11.8638

Details

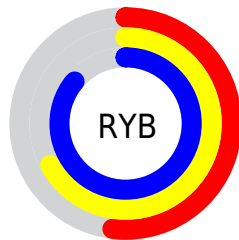
The RYB color **133, 171, 220** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **220, 159, 133**, and the grayscale version is **182, 182, 182**.

A 20% lighter version of the original color is **189, 222, 255**, and **78, 116, 165** is the 20% darker color. If you saturate the color by 10%, you get **111, 159, 220**, and if you desaturate by 10%, it is **155, 183, 220**.

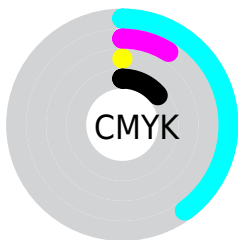
Distribution



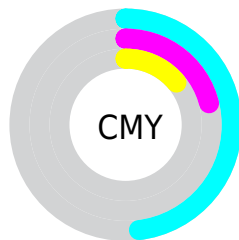
- Red (52%)
- Green (78%)
- Blue (86%)



- Red (52%)
- Yellow (67%)
- Blue (86%)



- Cyan (40%)
- Magenta (9%)
- Yellow (0%)
- Black (14%)



- Cyan (48%)
- Magenta (21%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 171, 220 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, 220 by changing the saturation by 10% instead.

 133, 171, 220

255, 255, 255


 189, 222, 255

 218, 237, 255

 247, 251, 255

 133, 171, 220

 105, 143, 192


 78, 116, 165

 49, 89, 139

 12, 58, 113

 0, 40, 89

 0, 28, 65

 0, 17, 43

 0, 1, 23

 0, 0, 0

■ 133, 171, 220

■ 133, 171, 220

■ 111, 159, 220

■ 155, 183, 220

■ 89, 146, 220

■ 177, 196, 220

■ 67, 134, 220

■ 199, 208, 220

■ 45, 122, 220

■ 221, 220, 220

■ 23, 109, 220

■ 243, 226, 220

■ 1, 97, 220

■ 255, 234, 220

■ 0, 96, 220

■ 255, 246, 220

■ 246, 255, 220

■ 234, 255, 220

Harmonies

Analogous

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



132, 168, 203



133, 171, 220



152, 180, 231

Triad

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



133, 171, 220



227, 176, 202



152, 195, 149

Complementary

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



133, 171, 220



220, 159, 133

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.



209, 217, 149



133, 171, 220



235, 175, 180

Square

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



133, 171, 220



207, 181, 221



231, 185, 161



160, 198, 187

Rectangle

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



133, 171, 220



170, 186, 233



231, 185, 161



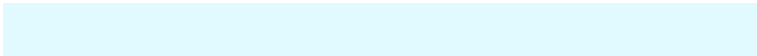
165, 203, 148

Sweetspot

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



133, 171, 220



224, 238, 255



133, 204, 220



110, 118, 128



0, 0, 0



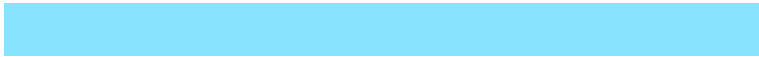
128, 128, 128

Same Dimension

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



133, 171, 220



135, 187, 255



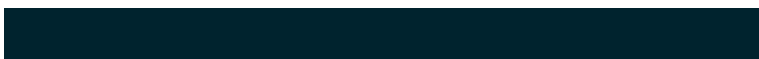
133, 152, 220



99, 104, 110



0, 76, 173



0, 20, 46

Inverse Universe

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



220, 133, 200



255, 135, 228



168, 220, 133



110, 99, 107



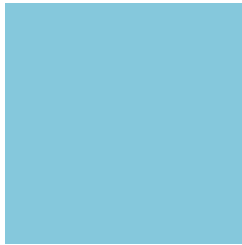
173, 0, 134



46, 0, 36

Previews

White Background



This preview shows how the RYB color 133, 171, 220 looks on a white background.

Color Contrast Check

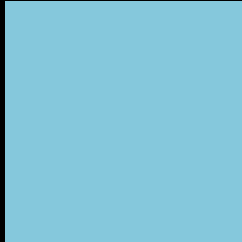
Large Text (above 18pt) WCAG AA × Fail

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, 220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

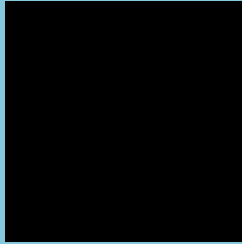
Any Text WCAG AA ✓ Pass

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, 220 Background



This preview shows how black text looks on a background with the RYB color 133, 171, 220.

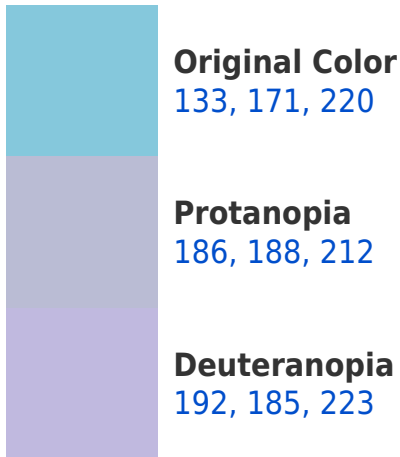


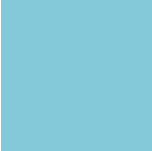
This preview shows how white text looks on a background with the RYB color 133, 171, 220.

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





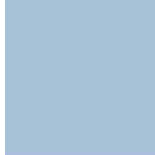
Tritanopia
132, 170, 217

Trichromacy



Original Color

133, 171, 220



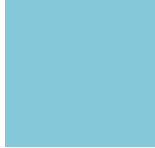
Protanomaly

167, 184, 215



Deuteranomaly

171, 185, 222



Tritanomaly

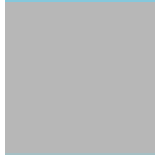
132, 170, 218

Monochromacy



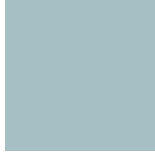
Original Color

133, 171, 220



Achromatopsia

183, 183, 183



Achromatomaly

165, 179, 196

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 171, 220 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, 200, 220)` looks like.

```
.text, #text, p{  
    color:rgb(133, 200, 220)  
}
```

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, 200, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 200, 220) }
```

Border

The CSS property to change the border of an element to RYB 133, 171, 220 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, 200, 220) }
```

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

```
.border{ border-color:rgb(133, 200, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 200, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 200, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 200, 220);  
box-shadow:4px 4px 4px 4px rgb(133, 200,  
220) }
```

Background

The CSS property to change the background color of an element to RGB 133, 171, 220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 200, 220) }
```

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

```
.background{ background-color: rgb(133,  
200, 220) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor