

Converting Colors

`RYB(133, 166, 203)`

Have a look what the booklet for
RYB(133, 166, 203) contains.

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Color

R_YB(133, 166, 203)

Conversions

Conversions Part 1

Format	Color
Hex	85C3CB
RGB	133, 195, 203
RGB Percent	52%, 76%, 80%
CMY	0.4784, 0.2336, 0.2039
CMYK	0.34, 0.04, 0.00, 0.20
HSL	186°, 40%, 66%
HSV	186°, 34%, 80%
XYZ	40.0645, 48.5226, 63.7541
YIQ	177.3740, -39.5200, -10.6560

Conversions

Conversions Part 2

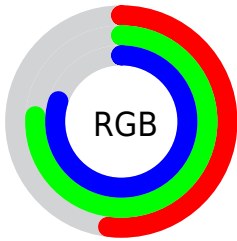
Format	Color
R _{YB}	133, 166, 203
Decimal	8766411
CIE _{Lab}	75.15, -18.01, -10.16
CIE _{LCh}	75, 20.675, 209.429
Yxy	48.5226, 0.2630, 0.3185
Android (android.graphics.Color)	4286956491 (0xFF85C3CB)
YUV	177.3740, 12.6336, -38.9160
Hunter-Lab	69.6582, -19.2360, -5.5040

Details

The RYB color **133, 166, 203** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **203, 142, 133**, and the grayscale version is **178, 178, 178**.

A 20% lighter version of the original color is **188, 221, 255**, and **79, 112, 149** is the 20% darker color. If you saturate the color by 10%, you get **113, 155, 203**, and if you desaturate by 10%, it is **153, 177, 203**.

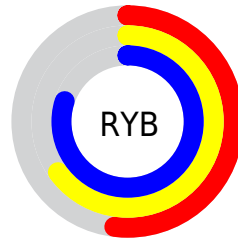
Distribution



Red (52%)

Green (76%)

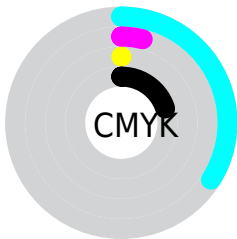
Blue (80%)



Red (52%)

Yellow (65%)

Blue (80%)

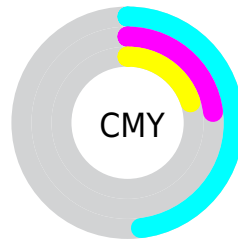


Cyan (34%)

Magenta (4%)

Yellow (0%)

Black (20%)



Cyan (48%)

Magenta (23%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 166, 203 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, 166, 203 by changing the saturation by 10% instead.

 133, 166, 203

255, 255, 255


 188, 221, 255

 217, 236, 255

 246, 251, 255

 133, 166, 203

 106, 139, 176


 79, 112, 149

 52, 86, 123

 22, 58, 98

 0, 35, 74

 0, 24, 52

 0, 14, 31

 0, 0, 4

 0, 0, 0

■ 133, 166, 203

■ 133, 166, 203

■ 113, 155, 203

■ 153, 177, 203

■ 92, 144, 203

■ 174, 188, 203

■ 72, 134, 203

■ 194, 198, 203

■ 52, 123, 203

■ 214, 204, 203

■ 32, 112, 203

■ 235, 206, 203

■ 11, 101, 203

■ 255, 210, 203

■ 0, 96, 203

■ 255, 212, 203

■ 255, 215, 203

■ 255, 219, 203

Harmonies

Analogous

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



140, 171, 196



133, 166, 203



141, 172, 217

Triad

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



133, 166, 203



210, 175, 205



170, 200, 147

Complementary

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



133, 166, 203



203, 142, 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.



216, 192, 153



133, 166, 203



222, 172, 186

Square

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



133, 166, 203



188, 180, 218



224, 174, 167



152, 190, 163

Rectangle

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



133, 166, 203



155, 178, 222



224, 174, 167



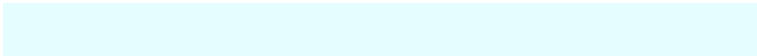
192, 206, 148

Sweetspot

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



133, 166, 203



230, 242, 255



133, 197, 203



112, 119, 128



0, 0, 0



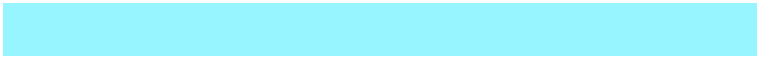
128, 128, 128

Same Dimension

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



133, 166, 203



150, 200, 255



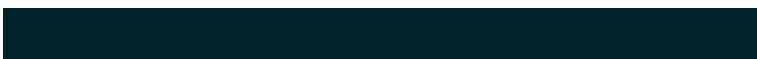
133, 153, 203



92, 97, 102



0, 78, 166



0, 18, 38

Inverse Universe

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



203, 133, 195



255, 150, 244



180, 203, 133



102, 92, 101



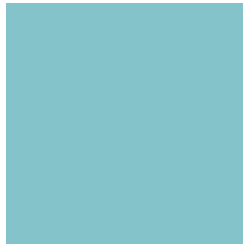
166, 0, 148



38, 0, 34

Previews

White Background



This preview shows how the RYB color 133, 166, 203 looks on a white background.

Color Contrast Check

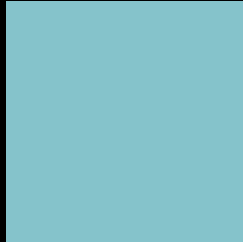
Large Text (above 18pt) WCAG AA × Fail

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, 166, 203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

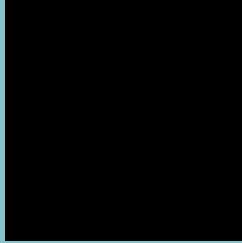
Any Text WCAG AA ✓ Pass

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, 166, 203 Background



This preview shows how black text looks on a background with the RYB color 133, 166, 203.



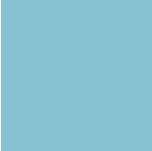
This preview shows how white text looks on a background with the RYB color 133, 166, 203.

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
135, 168, 210

Trichromacy



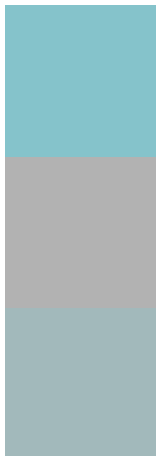
Original Color
133, 166, 203

Protanomaly
165, 179, 198

Deuteranomaly
171, 181, 205

Tritanomaly
134, 167, 207

Monochromacy



Original Color
133, 166, 203

Achromatopsia
178, 178, 178

Achromatomaly
162, 174, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 166, 203 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, 195, 203)` looks like.

```
.text, #text, p{  
    color:rgb(133, 195, 203)  
}
```

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, 195, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 195, 203) }
```

Border

The CSS property to change the border of an element to RYB 133, 166, 203 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, 195, 203) }
```

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

```
.border{ border-color:rgb(133, 195, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 195, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 195, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 195, 203);  
box-shadow:4px 4px 4px 4px rgb(133, 195,  
203) }
```

Background

The CSS property to change the background color of an element to RYB 133, 166, 203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 195, 203) }
```

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

```
.background{ background-color: rgb(133,  
195, 203) }
```

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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