

Converting Colors

`RYB(133, 188, 213)`

Have a look what the booklet for
RYB(133, 188, 213) contains.

RYB(133, 188, 213)	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

R_YB(133, 188, 213)

Conversions

Conversions Part 1

Format	Color
Hex	85D5A9
RGB	133, 213, 169
RGB Percent	52%, 84%, 66%
CMY	0.4784, 0.1647, 0.3358
CMYK	0.38, 0.00, 0.20, 0.16
HSL	147°, 49%, 68%
HSV	147°, 38%, 84%
XYZ	40.6627, 55.4533, 46.2758
YIQ	184.0640, -33.5560, -30.6440

Conversions

Conversions Part 2

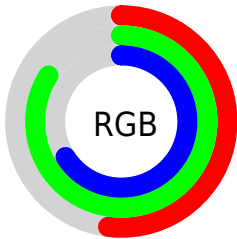
Format	Color
RYB	133, 188, 213
Decimal	8770985
CIELab	79.30, -34.03, 13.94
CIElCh	79, 36.776, 157.720
Yxy	55.4533, 0.2856, 0.3894
Android (android.graphics.Color)	4286961065 (0xFF85D5A9)
YUV	184.0640, -7.4266, -44.7831
Hunter-Lab	74.4670, -32.8471, 15.2825

Details

The RYB color **133, 188, 213** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **213, 133, 177**, and the grayscale version is **184, 184, 184**.

A 20% lighter version of the original color is **189, 232, 255**, and **79, 132, 158** is the 20% darker color. If you saturate the color by 10%, you get **112, 181, 213**, and if you desaturate by 10%, it is **154, 194, 213**.

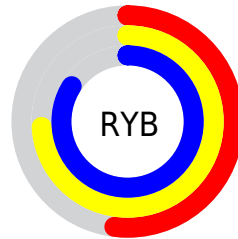
Distribution



Red (52%)

Green (84%)

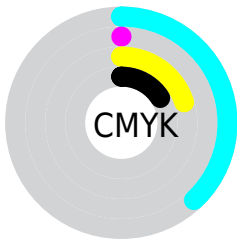
Blue (66%)



Red (52%)

Yellow (74%)

Blue (84%)

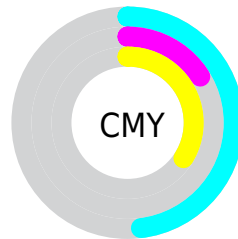


Cyan (38%)

Magenta (0%)

Yellow (20%)

Black (16%)



Cyan (48%)

Magenta (16%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 188, 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, 188, 213 by changing the saturation by 10% instead.

 133, 188, 213

255, 255, 255


 189, 232, 255


 217, 237, 255

 246, 251, 255

 133, 188, 213

 106, 160, 185

 79, 132, 158

 52, 104, 131

 20, 75, 106

 0, 52, 81

 0, 40, 57

 0, 37, 37


 0, 0, 0

 133, 188, 213


 133, 188, 213

 112, 181, 213


 154, 194, 213

 90, 175, 213


 176, 201, 213

 69, 168, 213

 197, 208, 213

 48, 161, 213

 218, 213, 216

 27, 155, 213

 240, 213, 227

 5, 148, 213

 255, 213, 239

 0, 146, 213

 255, 213, 251

 255, 213, 255

Harmonies

Analogous

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



141, 207, 174



133, 188, 213



94, 157, 215

Triad

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



133, 188, 213



164, 188, 255



255, 180, 156

Complementary

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



133, 188, 213



213, 133, 177

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, 170, 189



133, 188, 213



212, 184, 251

Square

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



133, 188, 213



111, 169, 255



247, 174, 223



242, 234, 134

Rectangle

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



133, 188, 213



78, 149, 227



247, 174, 223



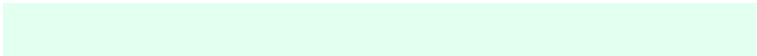
255, 174, 166

Sweetspot

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



133, 188, 213



227, 246, 255



133, 213, 169



111, 123, 128



0, 0, 0



128, 128, 128

Same Dimension

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



133, 188, 213



140, 219, 255



133, 174, 213



96, 104, 107



0, 117, 171



0, 29, 43

Inverse Universe

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



213, 133, 177



255, 140, 203



213, 133, 137



107, 96, 102



171, 0, 93



43, 0, 24

Previews

White Background



This preview shows how the RYB color 133, 188, 213 looks on a white background.

Color Contrast Check

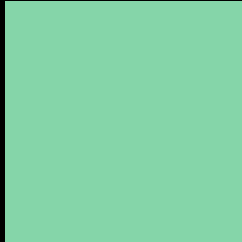
Large Text (above 18pt) WCAG AA × Fail

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, 188, 213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

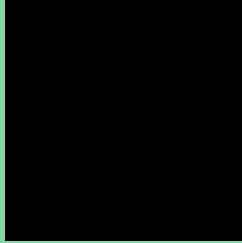
Any Text WCAG AA ✓ Pass

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, 188, 213 Background



This preview shows how black text looks on a background with the RYB color 133, 188, 213.

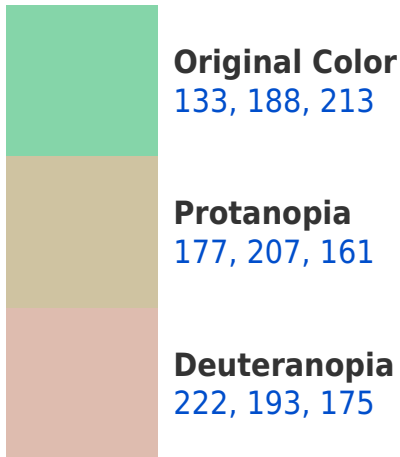


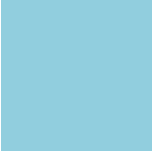
This preview shows how white text looks on a background with the RYB color 133, 188, 213.

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





Tritanopia
145, 179, 222

Trichromacy



Original Color

133, 188, 213



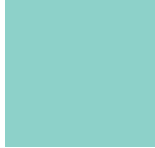
Protanomaly

164, 202, 186



Deuteranomaly

173, 197, 180



Tritanomaly

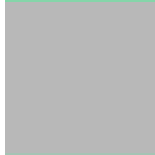
141, 177, 209

Monochromacy



Original Color

133, 188, 213



Achromatopsia

184, 184, 184



Achromatomaly

165, 185, 195

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 188, 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, 169)` looks like.

```
.text, #text, p{  
    color:rgb(133, 213, 169)  
}
```

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, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 213, 169) }
```

Border

The CSS property to change the border of an element to RYB 133, 188, 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, 169) }
```

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

```
.border{ border-color:rgb(133, 213, 169) }
```

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, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 213, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 213, 169);  
box-shadow:4px 4px 4px 4px rgb(133, 213,  
169) }
```

Background

The CSS property to change the background color of an element to RYB 133, 188, 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, 169) }
```

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

```
.background{ background-color: rgb(133,  
213, 169) }
```

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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