

Converting Colors

`RYB(133, 183, 214)`

Have a look what the booklet for
RYB(133, 183, 214) contains.

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Color

R_YB(133, 183, 214)

Conversions

Conversions Part 1

Format	Color
Hex	85D6B7
RGB	133, 214, 183
RGB Percent	52%, 84%, 72%
CMY	0.4784, 0.1608, 0.2815
CMYK	0.38, 0.00, 0.14, 0.16
HSL	157°, 50%, 68%
HSV	157°, 38%, 84%
XYZ	42.2896, 56.5077, 53.5981
YIQ	186.2470, -38.3250, -26.8130

Conversions

Conversions Part 2

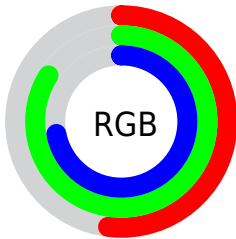
Format	Color
RYB	133, 183, 214
Decimal	8771255
CIELab	79.90, -31.66, 7.43
CIELCh	80, 32.520, 166.789
Yxy	56.5077, 0.2775, 0.3708
Android (android.graphics.Color)	4286961335 (0xFF85D6B7)
YUV	186.2470, -1.6008, -46.6976
Hunter-Lab	75.1716, -31.1309, 10.3458

Details

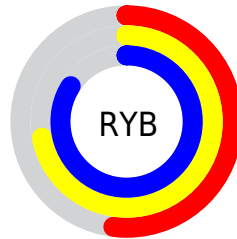
The RYB color **133, 183, 214** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **214, 133, 164**, and the grayscale version is **186, 186, 186**.

A 20% lighter version of the original color is **189, 227, 255**, and **79, 128, 159** is the 20% darker color. If you saturate the color by 10%, you get **112, 175, 214**, and if you desaturate by 10%, it is **154, 191, 214**.

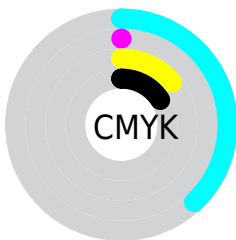
Distribution



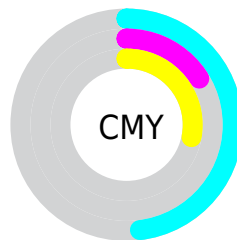
- Red (52%)
- Green (84%)
- Blue (72%)



- Red (52%)
- Yellow (72%)
- Blue (84%)



- Cyan (38%)
- Magenta (0%)
- Yellow (14%)
- Black (16%)



- Cyan (48%)
- Magenta (16%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 183, 214 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, 183, 214 by changing the saturation by 10% instead.

 133, 183, 214


255, 255, 255


 189, 227, 255


 218, 237, 255

 247, 251, 255

 133, 183, 214

 106, 155, 186

 79, 128, 159

 51, 100, 132

 18, 70, 107

 0, 48, 82

 0, 36, 58


 0, 26, 37


 0, 0, 0

 133, 183, 214


 133, 183, 214

 112, 175, 214


 154, 191, 214

 90, 166, 214


 176, 200, 214

 69, 158, 214

 197, 207, 214

 47, 150, 214

 219, 214, 216

 26, 142, 214

 240, 214, 224

 5, 134, 214

 255, 214, 232

 0, 132, 214

 255, 214, 240

 255, 214, 248

 255, 214, 255

Harmonies

Analogous

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



156, 209, 197



133, 183, 214



106, 161, 215

Triad

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



133, 183, 214



184, 194, 255



252, 192, 155

Complementary

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



133, 183, 214



214, 133, 164

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, 176, 182



133, 183, 214



223, 184, 240

Square

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



133, 183, 214



140, 182, 255



250, 177, 213



209, 232, 139

Rectangle

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



133, 183, 214



103, 163, 233



250, 177, 213



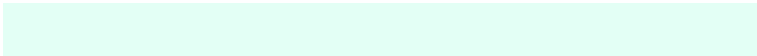
255, 182, 163

Sweetspot

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



133, 183, 214



227, 244, 255



133, 214, 183



111, 122, 128



0, 0, 0



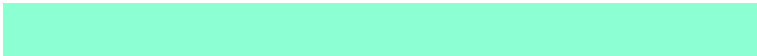
128, 128, 128

Same Dimension

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



133, 183, 214



140, 211, 255



133, 171, 214



96, 103, 107



0, 106, 171



0, 26, 43

Inverse Universe

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



214, 133, 164



255, 140, 184



214, 143, 133



107, 96, 100



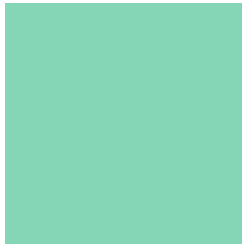
171, 0, 65



43, 0, 16

Previews

White Background



This preview shows how the RYB color 133, 183, 214 looks on a white background.

Color Contrast Check

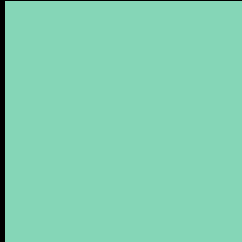
Large Text (above 18pt) WCAG AA × Fail

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, 183, 214 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, 183, 214 Background



This preview shows how black text looks on a background with the RYB color 133, 183, 214.

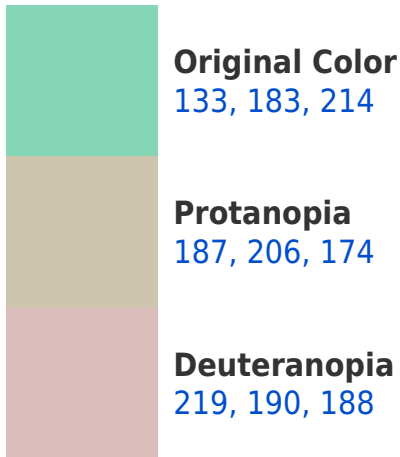


This preview shows how white text looks on a background with the RYB color 133, 183, 214.

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
143, 179, 225

Trichromacy



Original Color

133, 183, 214



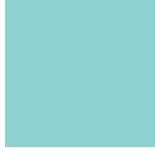
Protanomaly

177, 203, 201



Deuteranomaly

186, 199, 197



Tritanomaly

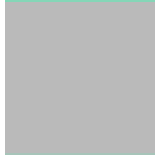
139, 175, 210

Monochromacy



Original Color

133, 183, 214



Achromatopsia

186, 186, 186



Achromatomaly

167, 185, 196

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 183, 214 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, 214, 183)` looks like.

```
.text, #text, p{  
    color:rgb(133, 214, 183)  
}
```

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, 214, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 214, 183) }
```

Border

The CSS property to change the border of an element to RYB 133, 183, 214 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, 214, 183) }
```

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

```
.border{ border-color:rgb(133, 214, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 214, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 214, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 214, 183); box-shadow:4px 4px 4px 4px rgb(133, 214, 183) }
```

Background

The CSS property to change the background color of an element to RYB 133, 183, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 214, 183) }
```

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

```
.background{ background-color: rgb(133,  
214, 183) }
```

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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