

Converting Colors

`RYB(138, 180, 213)`

Have a look what the booklet for
RYB(138, 180, 213) contains.

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Color

$\text{RYB}(138, 180, 213)$

Conversions

Conversions Part 1

Format	Color
Hex	8AD5C5
RGB	138, 213, 197
RGB Percent	54%, 84%, 77%
CMY	0.4588, 0.1647, 0.2277
CMYK	0.35, 0.00, 0.08, 0.16
HSL	167°, 47%, 69%
HSV	167°, 35%, 84%
XYZ	44.3453, 57.0197, 61.4491
YIQ	188.7510, -39.5640, -20.8760

Conversions

Conversions Part 2

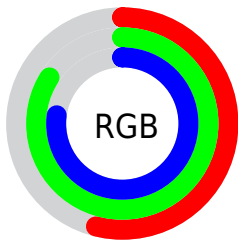
Format	Color
RYB	138, 180, 213
Decimal	9098693
CIELab	80.19, -26.82, 0.57
CIELCh	80, 26.822, 178.787
Yxy	57.0197, 0.2724, 0.3502
Android (android.graphics.Color)	4287288773 (0xFF8AD5C5)
YUV	188.7510, 4.0668, -44.5086
Hunter-Lab	75.5114, -27.3178, 4.6094

Details

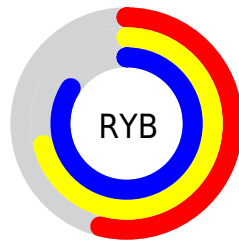
The RYB color **138, 180, 213** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **213, 138, 154**, and the grayscale version is **189, 189, 189**.

A 20% lighter version of the original color is **194, 225, 255**, and **84, 125, 158** is the 20% darker color. If you saturate the color by 10%, you get **117, 171, 213**, and if you desaturate by 10%, it is **159, 189, 213**.

Distribution



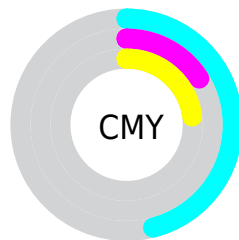
- Red (54%)
- Green (84%)
- Blue (77%)



- Red (54%)
- Yellow (71%)
- Blue (84%)



- Cyan (35%)
- Magenta (0%)
- Yellow (8%)
- Black (16%)



- Cyan (46%)
- Magenta (16%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 138, 180, 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 138, 180, 213 by changing the saturation by 10% instead.

 138, 180, 213


255, 255, 255


 194, 225, 255

 223, 239, 255

 252, 254, 255

 138, 180, 213

 111, 152, 185

 84, 125, 158

 57, 98, 132

 27, 70, 106

 0, 44, 82

 0, 32, 58


 0, 21, 36

 0, 1, 1


 0, 0, 0


 138, 180, 213


 138, 180, 213

 117, 171, 213


 159, 189, 213

 95, 161, 213


 181, 199, 213

 74, 152, 213


 202, 208, 213

 53, 143, 213

 223, 213, 215

 31, 133, 213

 244, 213, 220

 10, 124, 213

 255, 213, 224

 0, 119, 213

 255, 213, 229

 255, 213, 233

 255, 213, 238

Harmonies

Analogous

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



163, 202, 210



138, 180, 213



126, 171, 222

Triad

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



138, 180, 213



202, 193, 243



239, 209, 157

Complementary

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



138, 180, 213



213, 138, 154

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.



250, 183, 176



138, 180, 213



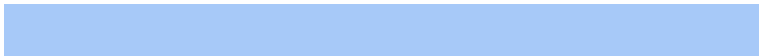
230, 185, 225

Square

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



138, 180, 213



167, 191, 248



247, 181, 201



179, 218, 149

Rectangle

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



138, 180, 213



131, 176, 236



247, 181, 201



244, 196, 162

Sweetspot

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



138, 180, 213



227, 243, 255



138, 213, 197



111, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



138, 180, 213



148, 208, 255



138, 169, 213



96, 102, 107



0, 96, 171



0, 24, 43

Inverse Universe

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



213, 138, 154



255, 148, 171



213, 167, 138



107, 96, 99



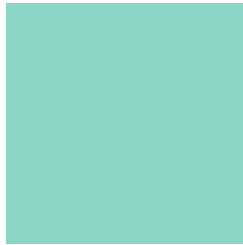
171, 0, 37



43, 0, 9

Previews

White Background



This preview shows how the RYB color 138, 180, 213 looks on a white background.

Color Contrast Check

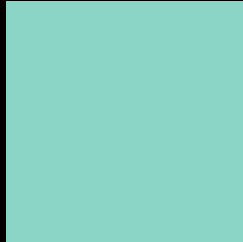
Large Text (above 18pt) WCAG AA × Fail

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 138, 180, 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

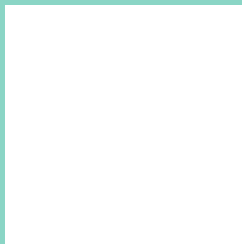
Any Text WCAG AAA ✓ Pass

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

RYB 138, 180, 213 Background



This preview shows how black text looks on a background with the RYB color 138, 180, 213.

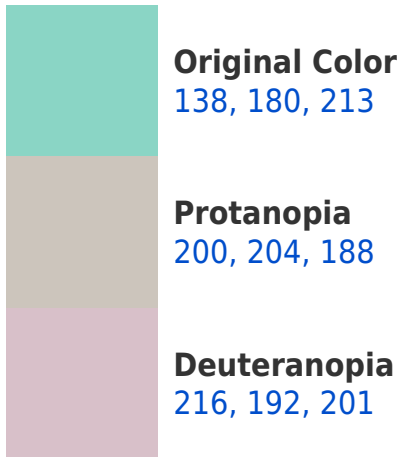


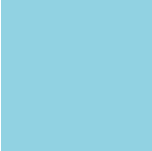
This preview shows how white text looks on a background with the RYB color 138, 180, 213.

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, 181, 226

Trichromacy



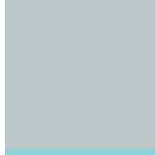
Original Color

138, 180, 213



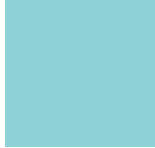
Protanomaly

180, 196, 203



Deuteranomaly

188, 194, 200



Tritanomaly

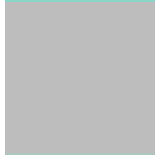
142, 177, 215

Monochromacy



Original Color

138, 180, 213



Achromatopsia

189, 189, 189



Achromatomaly

170, 186, 198

CSS Examples

Text

The CSS property to change the color of the text to RYB 138, 180, 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(138, 213, 197)` looks like.

```
.text, #text, p{  
    color:rgb(138, 213, 197)  
}
```

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(138, 213, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 213, 197) }
```

Border

The CSS property to change the border of an element to RYB 138, 180, 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(138, 213, 197) }
```

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

```
.border{ border-color:rgb(138, 213, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 213, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 213, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 213, 197);  
box-shadow:4px 4px 4px 4px rgb(138, 213,  
197) }
```

Background

The CSS property to change the background color of an element to RYB 138, 180, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 213, 197) }
```

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

```
.background{ background-color: rgb(138,  
213, 197) }
```

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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