

Converting Colors

`RYB(138, 183, 226)`

Have a look what the booklet for
RYB(138, 183, 226) contains.

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Color

R_YB(138, 183, 226)

Conversions

Conversions Part 1

Format	Color
Hex	8AE2DE
RGB	138, 226, 222
RGB Percent	54%, 89%, 87%
CMY	0.4588, 0.1137, 0.1291
CMYK	0.39, 0.00, 0.02, 0.11
HSL	177°, 60%, 71%
HSV	177°, 39%, 89%
XYZ	50.8743, 65.0747, 79.0490
YIQ	199.2320, -51.1640, -19.9000

Conversions

Conversions Part 2

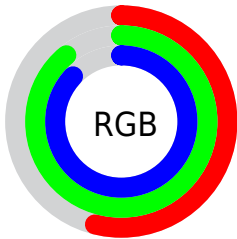
Format	Color
RYB	138, 183, 226
Decimal	9102046
CIELab	84.52, -27.32, -6.44
CIElCh	85, 28.067, 193.262
Yxy	65.0747, 0.2609, 0.3337
Android (android.graphics.Color)	4287292126 (0xFF8AE2DE)
YUV	199.2320, 11.2246, -53.7005
Hunter-Lab	80.6689, -28.5984, -1.6312

Details

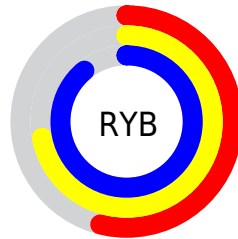
The RYB color **138, 183, 226** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **226, 138, 142**, and the grayscale version is **199, 199, 199**.

A 20% lighter version of the original color is **195, 225, 255**, and **82, 127, 170** is the 20% darker color. If you saturate the color by 10%, you get **115, 172, 226**, and if you desaturate by 10%, it is **161, 194, 226**.

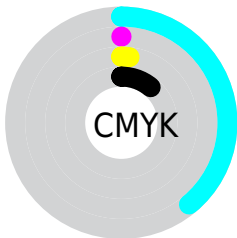
Distribution



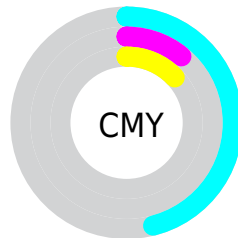
- Red (54%)
- Green (89%)
- Blue (87%)



- Red (54%)
- Yellow (72%)
- Blue (89%)



- Cyan (39%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)



- Cyan (46%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 138, 183, 226 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, 183, 226 by changing the saturation by 10% instead.

 138, 183, 226


255, 255, 255


 195, 225, 255

 224, 240, 255

254, 255, 255

 138, 183, 226

 110, 155, 198

 82, 127, 170


 52, 99, 144

 11, 65, 118

 0, 47, 93

 0, 35, 69

 0, 23, 46


 0, 13, 25


 0, 0, 0

 138, 183, 226


 138, 183, 226

 115, 172, 226


 161, 194, 226

 93, 161, 226


 183, 205, 226


 70, 150, 226

 206, 216, 226

 48, 139, 226

 228, 226, 226

 25, 128, 226

 251, 226, 227

 2, 117, 226

 255, 226, 228

 0, 116, 226

 255, 226, 229

 255, 226, 230

 255, 226, 231

Harmonies

Analogous

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



159, 202, 225



138, 183, 226



137, 185, 246

Triad

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



138, 183, 226



230, 200, 250



238, 244, 161

Complementary

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



138, 183, 226



226, 138, 142

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, 203, 176



138, 183, 226



255, 194, 227

Square

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



138, 183, 226



195, 206, 255



255, 192, 200



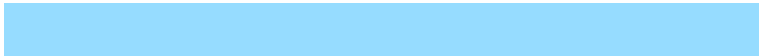
166, 219, 159

Rectangle

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



138, 183, 226



150, 192, 255



255, 192, 200



251, 228, 164

Sweetspot

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



138, 183, 226



224, 240, 255



138, 226, 222



110, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



138, 183, 226



135, 196, 255



138, 169, 226



101, 107, 112



0, 90, 176



0, 25, 48

Inverse Universe

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



226, 138, 142



255, 135, 140



226, 211, 138



112, 101, 101



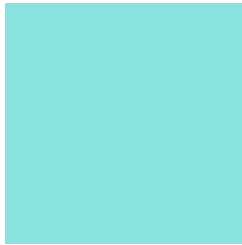
176, 0, 8



48, 0, 2

Previews

White Background



This preview shows how the RYB color 138, 183, 226 looks on a white background.

Color Contrast Check

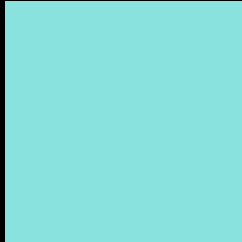
Large Text (above 18pt) WCAG AA × Fail

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, 183, 226 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, 183, 226 Background



This preview shows how black text looks on a background with the RYB color 138, 183, 226.

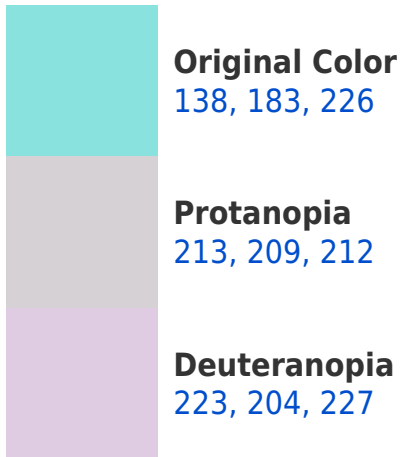



This preview shows how white text looks on a background with the RYB color 138, 183, 226.

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





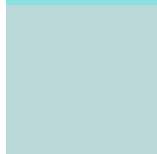
Tritanopia
143, 187, 241

Trichromacy



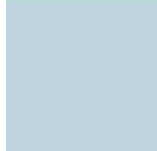
Original Color

138, 183, 226



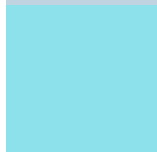
Protanomaly

186, 201, 216



Deuteranomaly

192, 204, 225



Tritanomaly

141, 185, 234

Monochromacy



Original Color

138, 183, 226



Achromatopsia

199, 199, 199



Achromatomaly

177, 194, 209

CSS Examples

Text

The CSS property to change the color of the text to RYB 138, 183, 226 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, 226, 222)` looks like.

```
.text, #text, p{  
    color:rgb(138, 226, 222)  
}
```

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, 226, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 226, 222) }
```

Border

The CSS property to change the border of an element to RYB 138, 183, 226 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, 226, 222) }
```

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

```
.border{ border-color:rgb(138, 226, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 226, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 226, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 226, 222);  
box-shadow:4px 4px 4px 4px rgb(138, 226,  
222) }
```

Background

The CSS property to change the background color of an element to RYB 138, 183, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 226, 222) }
```

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

```
.background{ background-color: rgb(138,  
226, 222) }
```

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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