

Converting Colors

`RYB(138, 184, 233)`

Have a look what the booklet for
RYB(138, 184, 233) contains.

RYB(138, 184, 233)	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(138, 184, 233)

Conversions

Conversions Part 1

Format	Color
Hex	8AE3E9
RGB	138, 227, 233
RGB Percent	54%, 89%, 91%
CMY	0.4588, 0.1091, 0.0863
CMYK	0.41, 0.02, 0.00, 0.09
HSL	184°, 68%, 73%
HSV	184°, 41%, 91%
XYZ	52.7086, 66.3252, 87.1148
YIQ	201.0730, -54.9700, -17.0020

Conversions

Conversions Part 2

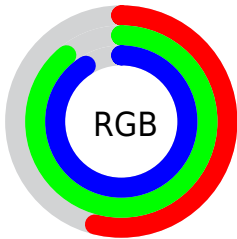
Format	Color
R _Y B	138, 184, 233
Decimal	9102313
CIE Lab	85.16, -25.26, -11.25
CIE LCh	85, 27.649, 204.015
Yxy	66.3252, 0.2557, 0.3217
Android (android.graphics.Color)	4287292393 (0xFF8AE3E9)
YUV	201.0730, 15.7400, -55.3150
Hunter-Lab	81.4403, -26.9943, -6.4130

Details

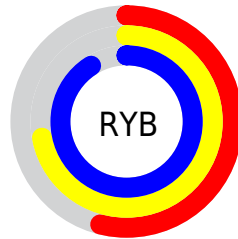
The RYB color **138, 184, 233** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **233, 144, 138**, and the grayscale version is **201, 201, 201**.

A 20% lighter version of the original color is **196, 226, 255**, and **81, 127, 177** is the 20% darker color. If you saturate the color by 10%, you get **115, 172, 233**, and if you desaturate by 10%, it is **161, 196, 233**.

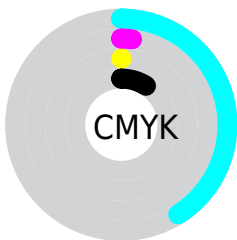
Distribution



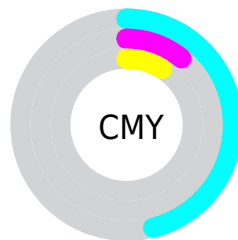
- Red (54%)
- Green (89%)
- Blue (91%)



- Red (54%)
- Yellow (72%)
- Blue (91%)



- Cyan (41%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)



- Cyan (46%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 138, 184, 233 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, 184, 233 by changing the saturation by 10% instead.


 138, 184, 233


255, 255, 255

 196, 226, 255

 225, 240, 255

 138, 184, 233


 110, 156, 205

 81, 128, 177


 50, 99, 151

 2, 62, 125

 0, 48, 100

 0, 36, 76

 0, 25, 53

 0, 15, 32

 0, 0, 7

■ 138, 184, 233

■ 138, 184, 233

■ 115, 172, 233

■ 161, 196, 233

■ 91, 160, 233

■ 185, 208, 233

■ 68, 148, 233

■ 208, 220, 233

■ 45, 136, 233

■ 231, 232, 233

■ 21, 124, 233

■ 254, 234, 233

■ 0, 113, 233

■ 255, 236, 233

■ 255, 238, 233

■ 255, 241, 233

■ 255, 243, 233

Harmonies

Analogous

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



153, 196, 227



138, 184, 233



146, 191, 254

Triad

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



138, 184, 233



242, 199, 244



205, 237, 161

Complementary

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



138, 184, 233



233, 144, 138

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, 218, 171



138, 184, 233



255, 194, 219

Square

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



138, 184, 233



210, 208, 255



255, 195, 193



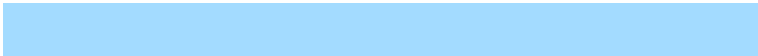
165, 218, 173

Rectangle

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



138, 184, 233



163, 198, 255



255, 195, 193



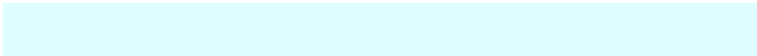
237, 245, 163

Sweetspot

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



138, 184, 233



224, 239, 255



138, 228, 233



110, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



138, 184, 233



130, 190, 255



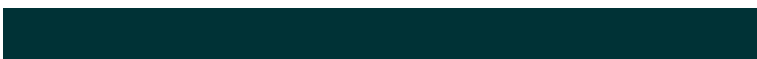
138, 168, 233



106, 112, 117



0, 88, 181



0, 26, 54

Inverse Universe

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



233, 138, 227



255, 130, 247



217, 233, 138



117, 106, 117



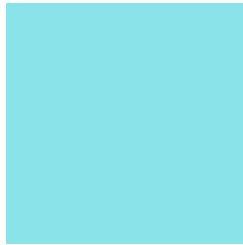
181, 0, 170



54, 0, 50

Previews

White Background



This preview shows how the RYB color 138, 184, 233 looks on a white background.

Color Contrast Check

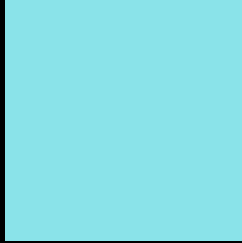
Large Text (above 18pt) WCAG AA × Fail

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, 184, 233 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, 184, 233 Background



This preview shows how black text looks on a background with the RYB color 138, 184, 233.

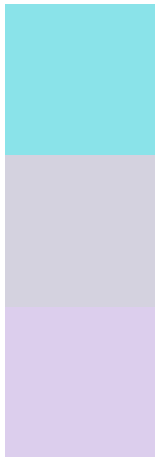


This preview shows how white text looks on a background with the RYB color 138, 184, 233.

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



Original Color
138, 184, 233

Protanopia
212, 210, 223

Deuteranopia
220, 206, 237



Tritanopia
141, 188, 244

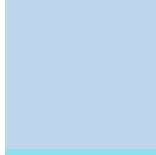
Trichromacy



Original Color
138, 184, 233



Protanomaly
185, 203, 227



Deuteranomaly
190, 206, 236

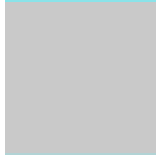


Tritanomaly
140, 186, 240

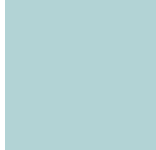
Monochromacy



Original Color
138, 184, 233



Achromatopsia
201, 201, 201



Achromatomaly
178, 195, 213

CSS Examples

Text

The CSS property to change the color of the text to RYB 138, 184, 233 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, 227, 233)` looks like.

```
.text, #text, p{  
    color:rgb(138, 227, 233)  
}
```

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, 227, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 227, 233) }
```

Border

The CSS property to change the border of an element to RYB 138, 184, 233 is called "border". The border property can be set on classes, ids or directly on the HTML element.

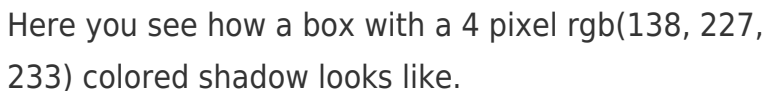
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(138, 227, 233) }
```

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

```
.border{ border-color:rgb(138, 227, 233) }
```

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



Here you see how a box with a 4 pixel `rgb(138, 227, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 227, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 227, 233); box-shadow:4px 4px 4px 4px rgb(138, 227, 233) }
```

Background

The CSS property to change the background color of an element to RYB 138, 184, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 227, 233) }
```

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

```
.background{ background-color: rgb(138,  
227, 233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor