

Converting Colors

`RYB(138, 202, 239)`

Have a look what the booklet for
RYB(138, 202, 239) contains.

RYB(138, 202, 239)	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, 202, 239)

Conversions

Conversions Part 1

Format	Color
Hex	8AEFC4
RGB	138, 239, 196
RGB Percent	54%, 94%, 77%
CMY	0.4588, 0.0627, 0.2298
CMYK	0.42, 0.00, 0.18, 0.06
HSL	155°, 76%, 74%
HSV	155°, 42%, 94%
XYZ	51.3561, 71.1396, 63.4825
YIQ	203.8990, -46.3930, -34.7850

Conversions

Conversions Part 2

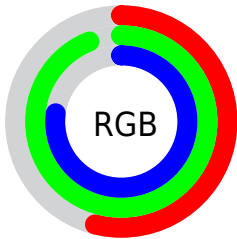
Format	Color
RYB	138, 202, 239
Decimal	9105348
CIELab	87.55, -39.10, 11.46
CIElCh	88, 40.749, 163.669
Yxy	71.1396, 0.2761, 0.3825
Android (android.graphics.Color)	4287295428 (0xFF8AEFC4)
YUV	203.8990, -3.8942, -57.7934
Hunter-Lab	84.3443, -38.9164, 14.4158

Details

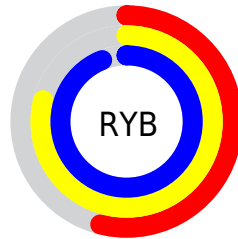
The RYB color **138, 202, 239** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **239, 138, 181**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **195, 226, 255**, and **81, 144, 182** is the 20% darker color. If you saturate the color by 10%, you get **114, 193, 239**, and if you desaturate by 10%, it is **162, 211, 239**.

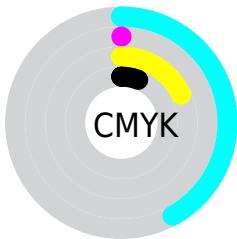
Distribution



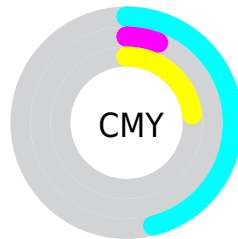
- Red (54%)
- Green (94%)
- Blue (77%)



- Red (54%)
- Yellow (79%)
- Blue (94%)



- Cyan (42%)
- Magenta (0%)
- Yellow (18%)
- Black (6%)



- Cyan (46%)
- Magenta (6%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the RYB color 138, 202, 239 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, 202, 239 by changing the saturation by 10% instead.


 138, 202, 239

 138, 202, 239


255, 255, 255

 110, 173, 210

 195, 226, 255

 81, 144, 182

 225, 240, 255

 51, 115, 155


254, 255, 255

 7, 79, 129

 0, 62, 103

 0, 49, 78


 0, 37, 54

 0, 34, 34


 0, 0, 0

 138, 202, 239


 138, 202, 239

 114, 193, 239


 162, 211, 239

 90, 184, 239


 186, 219, 239

 66, 176, 239

 210, 228, 239

 42, 167, 239

 234, 237, 239

 18, 158, 239

 255, 239, 247

 0, 152, 239

 255, 239, 255

Harmonies

Analogous

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



162, 233, 210



138, 202, 239



94, 169, 241

Triad

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



138, 202, 239



194, 211, 255



255, 212, 168

Complementary

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



138, 202, 239



239, 138, 181

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, 190, 203



138, 202, 239



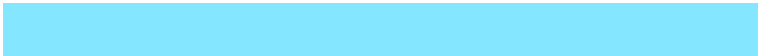
247, 203, 255

Square

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



138, 202, 239



133, 187, 255



255, 193, 242



223, 255, 146

Rectangle

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



138, 202, 239



81, 164, 255



255, 193, 242



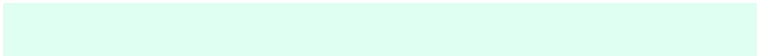
255, 198, 178

Sweetspot

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



138, 202, 239



222, 243, 255



138, 239, 195



107, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



138, 202, 239



125, 207, 255



138, 187, 239



108, 116, 120



0, 117, 184



0, 36, 56

Inverse Universe

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



239, 138, 181



255, 125, 180



239, 146, 138



120, 108, 113



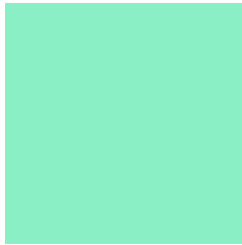
184, 0, 77



56, 0, 24

Previews

White Background



This preview shows how the RYB color 138, 202, 239 looks on a white background.

Color Contrast Check

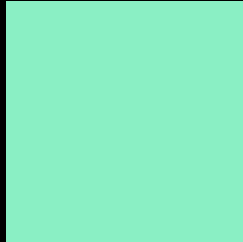
Large Text (above 18pt) WCAG AA × Fail

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, 202, 239 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, 202, 239 Background



This preview shows how black text looks on a background with the RYB color 138, 202, 239.

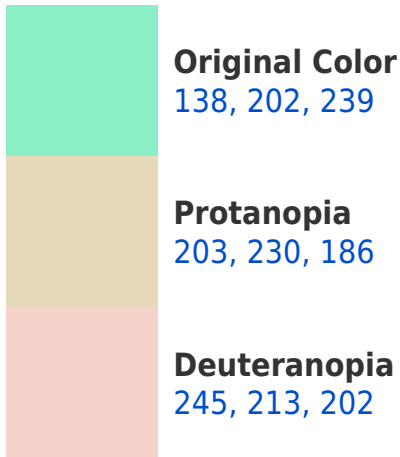



This preview shows how white text looks on a background with the RYB color 138, 202, 239.

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





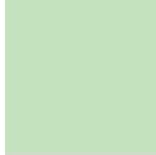
Tritanopia
151, 196, 250

Trichromacy



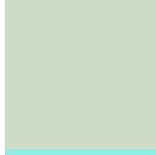
Original Color

138, 202, 239



Protanomaly

190, 226, 219



Deuteranomaly

200, 221, 215



Tritanomaly

146, 192, 235

Monochromacy



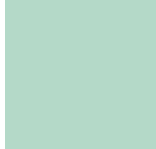
Original Color

138, 202, 239



Achromatopsia

204, 204, 204



Achromatomaly

180, 204, 217

CSS Examples

Text

The CSS property to change the color of the text to RYB 138, 202, 239 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, 239, 196)` looks like.

```
.text, #text, p{  
    color:rgb(138, 239, 196)  
}
```

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, 239, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 239, 196) }
```

Border

The CSS property to change the border of an element to RYB 138, 202, 239 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, 239, 196) }
```

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

```
.border{ border-color:rgb(138, 239, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 239, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 239, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 239, 196);  
box-shadow:4px 4px 4px 4px rgb(138, 239,  
196) }
```

Background

The CSS property to change the background color of an element to RYB 138, 202, 239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 239, 196) }
```

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

```
.background{ background-color: rgb(138,  
239, 196) }
```

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