

Converting Colors

`RYB(138, 188, 226)`

Have a look what the booklet for
RYB(138, 188, 226) contains.

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Color

R_YB(138, 188, 226)

Conversions

Conversions Part 1

Format	Color
Hex	8AE2CD
RGB	138, 226, 205
RGB Percent	54%, 89%, 80%
CMY	0.4588, 0.1137, 0.1965
CMYK	0.39, 0.00, 0.09, 0.11
HSL	166°, 60%, 71%
HSV	166°, 39%, 89%
XYZ	48.6825, 64.1980, 67.5073
YIQ	197.2940, -45.7070, -25.1870

Conversions

Conversions Part 2

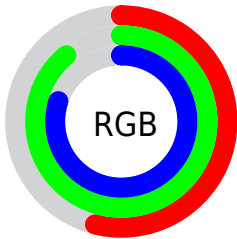
Format	Color
R _{YB}	138, 188, 226
Decimal	9102029
CIE Lab	84.07, -31.28, 1.99
CIE LCh	84, 31.343, 176.356
Yxy	64.1980, 0.2699, 0.3559
Android (android.graphics.Color)	4287292109 (0xFF8AE2CD)
YUV	197.2940, 3.7991, -52.0008
Hunter-Lab	80.1236, -31.7610, 6.1324

Details

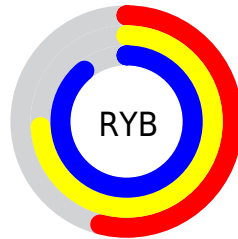
The RYB color **138, 188, 226** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **226, 138, 159**, and the grayscale version is **197, 197, 197**.

A 20% lighter version of the original color is **195, 225, 255**, and **82, 131, 170** is the 20% darker color. If you saturate the color by 10%, you get **115, 178, 226**, and if you desaturate by 10%, it is **161, 198, 226**.

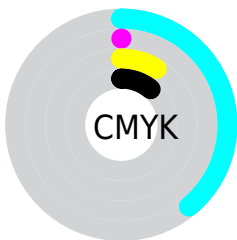
Distribution



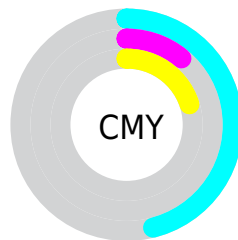
- Red (54%)
- Green (89%)
- Blue (80%)



- Red (54%)
- Yellow (74%)
- Blue (89%)



- Cyan (39%)
- Magenta (0%)
- Yellow (9%)
- Black (11%)



- Cyan (46%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 138, 188, 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, 188, 226 by changing the saturation by 10% instead.

 138, 188, 226


255, 255, 255


 195, 225, 255


 224, 240, 255

253, 254, 255

 138, 188, 226

 110, 160, 198

 82, 131, 170


 54, 104, 143

 18, 72, 117

 0, 50, 92

 0, 38, 68

 0, 26, 45


 0, 17, 23


 0, 0, 0

 138, 188, 226


 138, 188, 226

 115, 178, 226

 161, 198, 226

 93, 169, 226


 183, 207, 226


 70, 158, 226

 206, 217, 226

 48, 149, 226

 228, 226, 227

 25, 139, 226

 251, 226, 232

 2, 129, 226

 255, 226, 237

 0, 128, 226

 255, 226, 243

 255, 226, 248

 255, 226, 254

Harmonies

Analogous

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



170, 218, 223



138, 188, 226



120, 175, 235

Triad

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



138, 188, 226



209, 203, 255



255, 218, 162

Complementary

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



138, 188, 226



226, 138, 159

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, 185



138, 188, 226



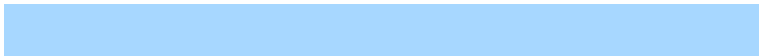
244, 194, 243

Square

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



138, 188, 226



167, 198, 255



255, 188, 214



193, 235, 151

Rectangle

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



138, 188, 226



124, 180, 251



255, 188, 214



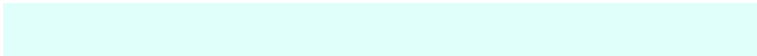
255, 205, 168

Sweetspot

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



138, 188, 226



224, 241, 255



138, 226, 204



110, 120, 128



0, 0, 0



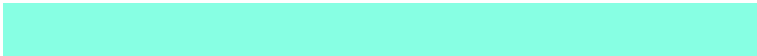
128, 128, 128

Same Dimension

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



138, 188, 226



135, 203, 255



138, 176, 226



101, 107, 112



0, 100, 176



0, 27, 48

Inverse Universe

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



226, 138, 159



255, 135, 164



226, 167, 138



112, 101, 104



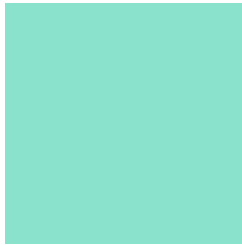
176, 0, 42



48, 0, 12

Previews

White Background



This preview shows how the RYB color 138, 188, 226 looks on a white background.

Color Contrast Check

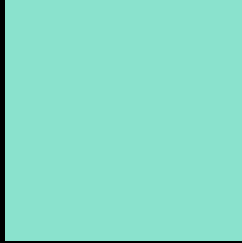
Large Text (above 18pt) WCAG AA × Fail

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, 188, 226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

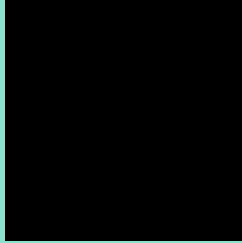
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

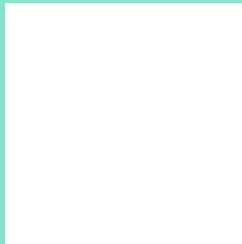
Any Text WCAG AAA ✓ Pass

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

RYB 138, 188, 226 Background



This preview shows how black text looks on a background with the RYB color 138, 188, 226.

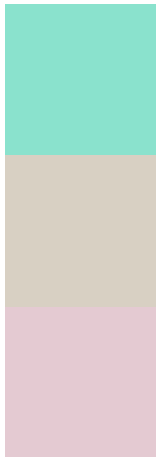


This preview shows how white text looks on a background with the RYB color 138, 188, 226.

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



Original Color
138, 188, 226

Protanopia
208, 216, 195

Deuteranopia
228, 202, 210



Tritanopia
147, 188, 239

Trichromacy



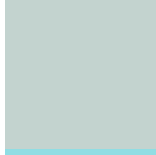
Original Color

138, 188, 226



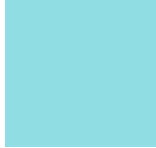
Protanomaly

188, 207, 215



Deuteranomaly

195, 204, 211



Tritanomaly

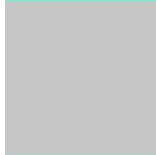
144, 184, 227

Monochromacy



Original Color

138, 188, 226



Achromatopsia

197, 197, 197



Achromatomaly

176, 194, 208

CSS Examples

Text

The CSS property to change the color of the text to RYB 138, 188, 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(138, 226, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 226, 205) }
```

Border

The CSS property to change the border of an element to RYB 138, 188, 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, 205) }
```

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

```
.border{ border-color:rgb(138, 226, 205) }
```

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, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 226, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 226, 205);  
box-shadow:4px 4px 4px 4px rgb(138, 226,  
205) }
```

Background

The CSS property to change the background color of an element to RYB 138, 188, 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, 205) }
```

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

```
.background{ background-color: rgb(138,  
226, 205) }
```

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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