

Converting Colors

`RYB(138, 192, 227)`

Have a look what the booklet for
RYB(138, 192, 227) contains.

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Color

R_YB(138, 192, 227)

Conversions

Conversions Part 1

Format	Color
Hex	8AE3C4
RGB	138, 227, 196
RGB Percent	54%, 89%, 77%
CMY	0.4588, 0.1098, 0.2326
CMYK	0.39, 0.00, 0.14, 0.11
HSL	159°, 61%, 72%
HSV	159°, 39%, 89%
XYZ	47.8783, 64.3126, 61.9270
YIQ	196.8550, -43.0930, -28.5090

Conversions

Conversions Part 2

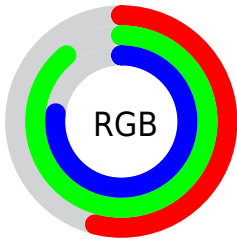
Format	Color
RYB	138, 192, 227
Decimal	9102276
CIELab	84.13, -33.75, 6.93
CIElCh	84, 34.456, 168.398
Yxy	64.3126, 0.2750, 0.3694
Android (android.graphics.Color)	4287292356 (0xFF8AE3C4)
YUV	196.8550, -0.4215, -51.6158
Hunter-Lab	80.1952, -33.7730, 10.3527

Details

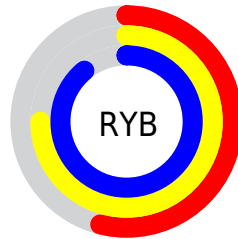
The RYB color **138, 192, 227** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **227, 138, 169**, and the grayscale version is **197, 197, 197**.

A 20% lighter version of the original color is **195, 226, 255**, and **83, 136, 171** is the 20% darker color. If you saturate the color by 10%, you get **115, 183, 227**, and if you desaturate by 10%, it is **161, 201, 227**.

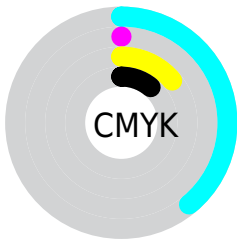
Distribution



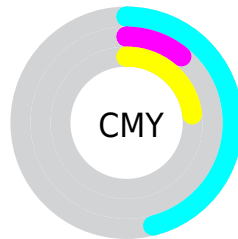
- Red (54%)
- Green (89%)
- Blue (77%)



- Red (54%)
- Yellow (75%)
- Blue (89%)



- Cyan (39%)
- Magenta (0%)
- Yellow (14%)
- Black (11%)



- Cyan (46%)
- Magenta (11%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 138, 192, 227 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, 192, 227 by changing the saturation by 10% instead.

 138, 192, 227


255, 255, 255


 195, 226, 255


 224, 240, 255

253, 254, 255

 138, 192, 227

 110, 164, 199


 83, 136, 171

 54, 107, 144

 19, 76, 118

 0, 54, 93

 0, 41, 69

 0, 30, 46


 0, 23, 23


 0, 0, 0

 138, 192, 227


 138, 192, 227

 115, 183, 227


 161, 201, 227

 93, 174, 227


 183, 210, 227

 70, 165, 227

 206, 219, 227

 47, 156, 227

 229, 227, 228

 24, 147, 227

 252, 227, 236

 2, 138, 227

 255, 227, 244

 0, 138, 227

 255, 227, 252

 255, 227, 255

Harmonies

Analogous

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



166, 222, 213



138, 192, 227



110, 169, 229

Triad

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



138, 192, 227



197, 205, 255



255, 208, 163

Complementary

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



138, 192, 227



227, 138, 169

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, 186, 191



138, 192, 227



239, 195, 253

Square

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



138, 192, 227



149, 190, 255



255, 187, 224



218, 244, 147

Rectangle

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



138, 192, 227



107, 172, 249



255, 187, 224



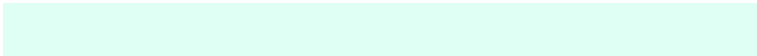
255, 196, 171

Sweetspot

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



138, 192, 227



224, 243, 255



138, 227, 194



110, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



138, 192, 227



135, 208, 255



138, 179, 227



103, 110, 115



0, 109, 179



0, 31, 51

Inverse Universe

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



227, 138, 169



255, 135, 177



227, 152, 138



115, 103, 107



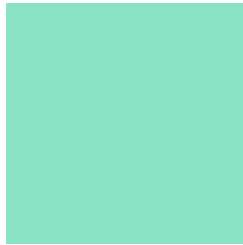
179, 0, 63



51, 0, 18

Previews

White Background



This preview shows how the RYB color 138, 192, 227 looks on a white background.

Color Contrast Check

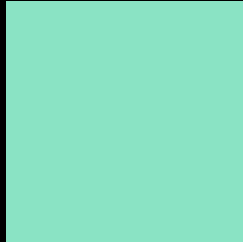
Large Text (above 18pt) WCAG AA × Fail

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, 192, 227 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, 192, 227 Background



This preview shows how black text looks on a background with the RYB color 138, 192, 227.

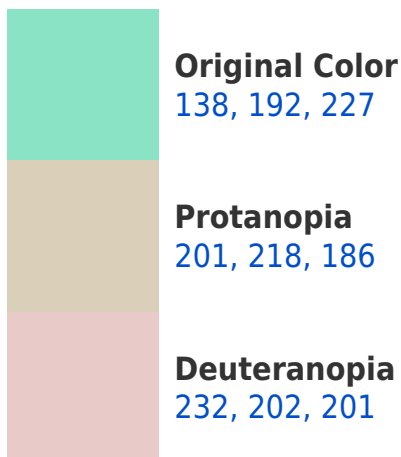



This preview shows how white text looks on a background with the RYB color 138, 192, 227.

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





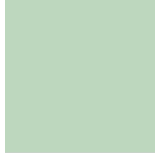
Tritanopia
148, 189, 239

Trichromacy



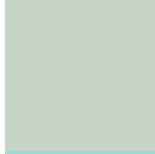
Original Color

138, 192, 227



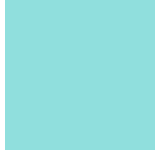
Protanomaly

189, 214, 215



Deuteranomaly

198, 210, 211



Tritanomaly

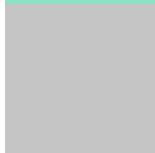
144, 184, 223

Monochromacy



Original Color

138, 192, 227



Achromatopsia

197, 197, 197



Achromatomaly

176, 195, 208

CSS Examples

Text

The CSS property to change the color of the text to RYB 138, 192, 227 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(138, 227, 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, 227, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 227, 196) }
```

Border

The CSS property to change the border of an element to RYB 138, 192, 227 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, 196) }
```

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

```
.border{ border-color:rgb(138, 227, 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, 227, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 227, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 227, 196); box-shadow:4px 4px 4px 4px rgb(138, 227, 196) }
```

Background

The CSS property to change the background color of an element to RYB 138, 192, 227 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, 196) }
```

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

```
.background{ background-color: rgb(138,  
227, 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](#).

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