

Converting Colors

`RYB(158, 195, 236)`

Have a look what the booklet for
RYB(158, 195, 236) contains.

RYB(158, 195, 236)	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

`RYB(158, 195, 236)`

Conversions

Conversions Part 1

Format	Color
Hex	9EE4EC
RGB	158, 228, 236
RGB Percent	62%, 89%, 93%
CMY	0.3804, 0.1044, 0.0745
CMYK	0.33, 0.03, 0.00, 0.07
HSL	186°, 67%, 77%
HSV	186°, 33%, 93%
XYZ	57.0918, 69.0270, 89.6714
YIQ	207.9820, -44.2880, -12.3520

Conversions

Conversions Part 2

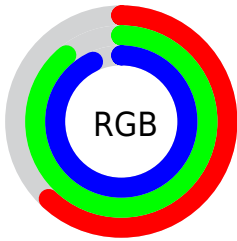
Format	Color
R _Y B	158, 195, 236
Decimal	10413292
CIE Lab	86.52, -20.01, -10.71
CIE LCh	87, 22.700, 208.163
Yxy	69.0270, 0.2646, 0.3199
Android (android.graphics.Color)	4288603372 (0xFF9EE4EC)
YUV	207.9820, 13.8129, -43.8342
Hunter-Lab	83.0825, -22.7346, -5.8343

Details

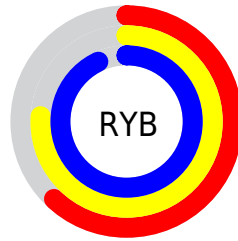
The RYB color **158, 195, 236** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **236, 167, 158**, and the grayscale version is **208, 208, 208**.

A 20% lighter version of the original color is **215, 235, 255**, and **103, 139, 180** is the 20% darker color. If you saturate the color by 10%, you get **134, 182, 236**, and if you desaturate by 10%, it is **182, 208, 236**.

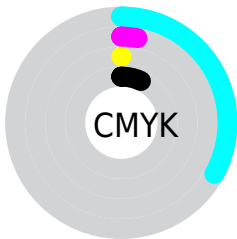
Distribution



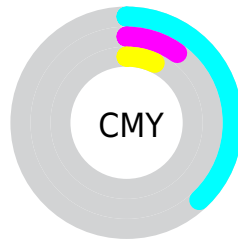
- Red (62%)
- Green (89%)
- Blue (93%)



- Red (62%)
- Yellow (76%)
- Blue (93%)



- Cyan (33%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)



- Cyan (38%)
- Magenta (10%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 195, 236 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 158, 195, 236 by changing the saturation by 10% instead.


 158, 195, 236

255, 255, 255


 215, 235, 255

 244, 250, 255

 158, 195, 236


 130, 167, 208

 103, 140, 180


 76, 113, 153

 47, 85, 128

 11, 55, 102

 0, 37, 78


 0, 26, 56

 0, 16, 34


 0, 0, 11

 158, 195, 236


 158, 195, 236

 134, 182, 236


 182, 208, 236

 111, 170, 236


 205, 220, 236

 87, 158, 236


 229, 232, 236

 64, 146, 236

 252, 238, 236

 40, 133, 236

 255, 241, 236

 16, 120, 236

 255, 245, 236

 0, 112, 236

 255, 253, 236

 250, 255, 236

 245, 255, 236

Harmonies

Analogous

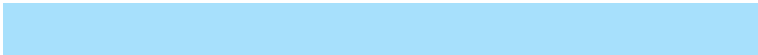
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



167, 202, 229



158, 195, 236



167, 201, 252

Triad

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



158, 195, 236



243, 205, 240



204, 235, 174

Complementary

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



158, 195, 236



236, 167, 158

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.



252, 225, 181



158, 195, 236



255, 202, 219

Square

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



158, 195, 236



219, 211, 254



255, 204, 197



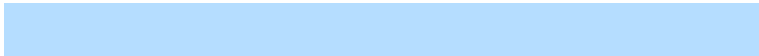
178, 221, 188

Rectangle

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



158, 195, 236



181, 207, 255



255, 204, 197



227, 241, 175

Sweetspot

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



158, 195, 236



230, 242, 255



158, 230, 236



112, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



158, 195, 236



153, 201, 255



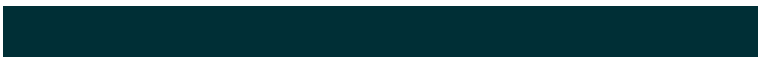
158, 181, 236



106, 111, 117



0, 86, 181



0, 25, 54

Inverse Universe

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



236, 158, 228



255, 153, 245



215, 236, 158



117, 106, 116



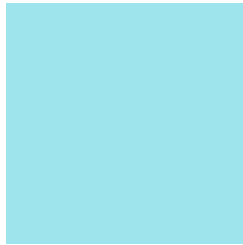
181, 0, 163



54, 0, 48

Previews

White Background



This preview shows how the RYB color 158, 195, 236 looks on a white background.

Color Contrast Check

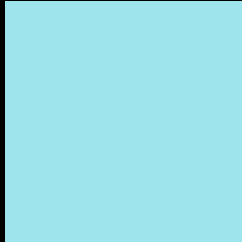
Large Text (above 18pt) WCAG AA × Fail

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 158, 195, 236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

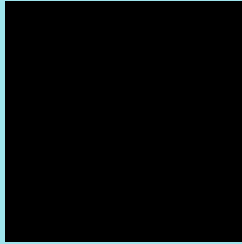
Any Text WCAG AA ✓ Pass

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 158, 195, 236 Background



This preview shows how black text looks on a background with the RYB color 158, 195, 236.

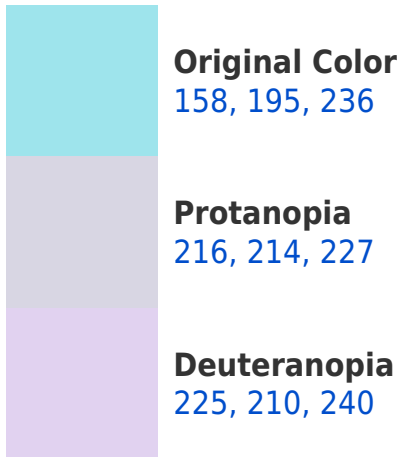


This preview shows how white text looks on a background with the RYB color 158, 195, 236.

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





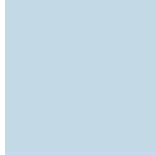
Tritanopia
160, 197, 245

Trichromacy



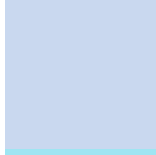
Original Color

158, 195, 236



Protanomaly

195, 209, 230



Deuteranomaly

201, 212, 239



Tritanomaly

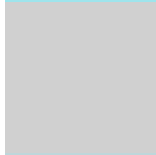
159, 197, 242

Monochromacy



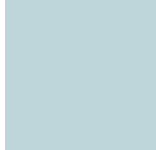
Original Color

158, 195, 236



Achromatopsia

208, 208, 208



Achromatomaly

190, 203, 218

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 195, 236 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(158, 228, 236)` looks like.

```
.text, #text, p{  
    color:rgb(158, 228, 236)  
}
```

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(158, 228, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 228, 236) }
```

Border

The CSS property to change the border of an element to RYB 158, 195, 236 is called "border". The border property can be set on classes, ids or directly on the HTML element.

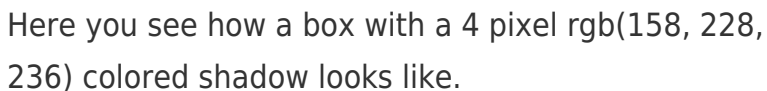
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 228, 236) }
```

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

```
.border{ border-color:rgb(158, 228, 236) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 228, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 228, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 228, 236); box-shadow:4px 4px 4px 4px rgb(158, 228, 236) }
```

Background

The CSS property to change the background color of an element to RYB 158, 195, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 228, 236) }
```

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

```
.background{ background-color: rgb(158,  
228, 236) }
```

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