

Converting Colors

`RYB(158, 195, 230)`

Have a look what the booklet for
RYB(158, 195, 230) contains.

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Color

R_YB(158, 195, 230)

Conversions

Conversions Part 1

Format	Color
Hex	9EE6E2
RGB	158, 230, 226
RGB Percent	62%, 90%, 89%
CMY	0.3804, 0.0980, 0.1133
CMYK	0.31, 0.00, 0.02, 0.10
HSL	177°, 59%, 76%
HSV	177°, 31%, 90%
XYZ	56.1397, 69.3597, 82.4582
YIQ	208.0160, -41.6280, -16.5080

Conversions

Conversions Part 2

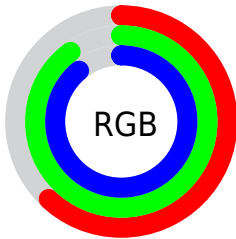
Format	Color
RYB	158, 195, 230
Decimal	10413794
CIELab	86.68, -23.08, -5.26
CIELCh	87, 23.672, 192.846
Yxy	69.3597, 0.2700, 0.3335
Android (android.graphics.Color)	4288603874 (0xFF9EE6E2)
YUV	208.0160, 8.8661, -43.8640
Hunter-Lab	83.2824, -25.4196, -0.4055

Details

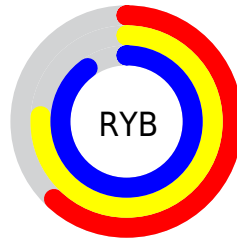
The RYB color **158, 195, 230** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **230, 158, 162**, and the grayscale version is **208, 208, 208**.

A 20% lighter version of the original color is **215, 235, 255**, and **103, 139, 174** is the 20% darker color. If you saturate the color by 10%, you get **135, 184, 230**, and if you desaturate by 10%, it is **181, 206, 230**.

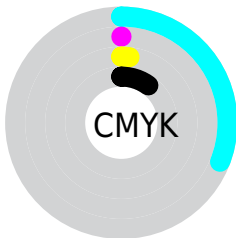
Distribution



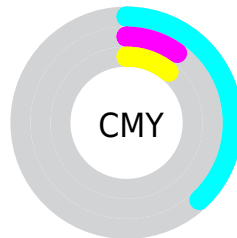
- Red (62%)
- Green (90%)
- Blue (89%)



- Red (62%)
- Yellow (76%)
- Blue (90%)



- Cyan (31%)
- Magenta (0%)
- Yellow (2%)
- Black (10%)



- Cyan (38%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 195, 230 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, 230 by changing the saturation by 10% instead.


 158, 195, 230

255, 255, 255


 215, 235, 255

 244, 250, 255


 158, 195, 230


 130, 167, 202

 103, 139, 174


 76, 112, 147

 49, 86, 122

 15, 56, 96

 0, 36, 72

 0, 25, 49


 0, 16, 30


 0, 0, 0

 158, 195, 230


 158, 195, 230

 135, 184, 230


 181, 206, 230

 112, 173, 230


 204, 217, 230

 89, 162, 230


 227, 229, 230

 66, 150, 230

 250, 230, 231

 43, 139, 230

 255, 230, 232

 20, 128, 230

 255, 230, 234

 0, 118, 230

 255, 230, 235

 255, 230, 236

 255, 230, 237

Harmonies

Analogous

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



174, 210, 229



158, 195, 230



158, 197, 247

Triad

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



158, 195, 230



233, 208, 250



244, 246, 175

Complementary

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



158, 195, 230



230, 158, 162

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, 211, 187



158, 195, 230



254, 203, 231

Square

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



158, 195, 230



204, 214, 255



255, 201, 208



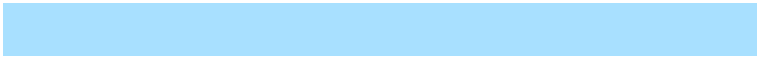
179, 224, 173

Rectangle

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



158, 195, 230



168, 202, 255



255, 201, 208



252, 231, 178

Sweetspot

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



158, 195, 230



232, 244, 255



158, 230, 225



113, 121, 128



0, 0, 0



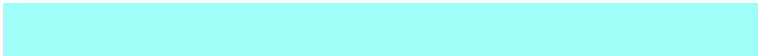
128, 128, 128

Same Dimension

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



158, 195, 230



158, 208, 255



158, 184, 230



103, 109, 115



0, 92, 179



0, 26, 51

Inverse Universe

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



230, 158, 162



255, 158, 163



230, 212, 158



115, 103, 104



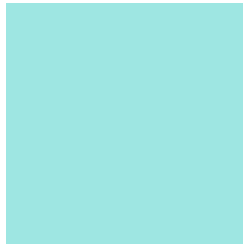
179, 0, 10



51, 0, 3

Previews

White Background



This preview shows how the RYB color 158, 195, 230 looks on a white background.

Color Contrast Check

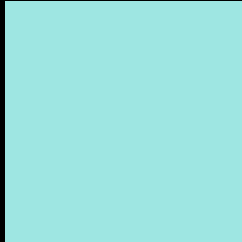
Large Text (above 18pt) WCAG AA × Fail

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, 230 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

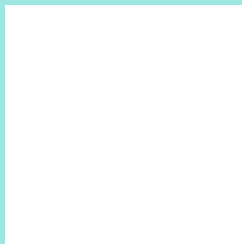
Any Text WCAG AAA ✓ Pass

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

RYB 158, 195, 230 Background



This preview shows how black text looks on a background with the RYB color 158, 195, 230.

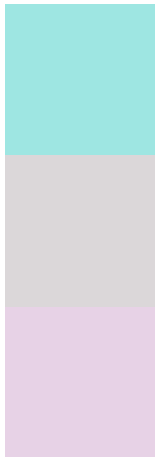


This preview shows how white text looks on a background with the RYB color 158, 195, 230.

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
158, 195, 230

Protanopia
219, 215, 217

Deuteranopia
231, 210, 230



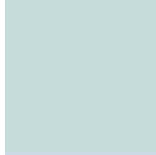
Tritanopia
163, 199, 245

Trichromacy



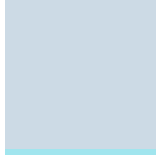
Original Color

158, 195, 230



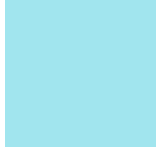
Protanomaly

197, 209, 220



Deuteranomaly

204, 213, 229



Tritanomaly

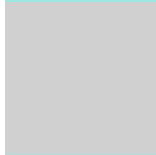
161, 197, 238

Monochromacy



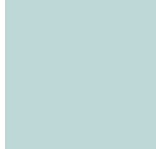
Original Color

158, 195, 230



Achromatopsia

208, 208, 208



Achromatomaly

190, 203, 216

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 195, 230 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, 230, 226)` looks like.

```
.text, #text, p{  
    color:rgb(158, 230, 226)  
}
```

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, 230, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 230, 226) }
```

Border

The CSS property to change the border of an element to RYB 158, 195, 230 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, 230, 226) }
```

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

```
.border{ border-color:rgb(158, 230, 226) }
```

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

Here you see how a box with a 4 pixel rgb(158, 230, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 230, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 230, 226);  
box-shadow:4px 4px 4px 4px rgb(158, 230,  
226) }
```

Background

The CSS property to change the background color of an element to RYB 158, 195, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 230, 226) }
```

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

```
.background{ background-color: rgb(158,  
230, 226) }
```

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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