

Converting Colors

`RYB(158, 228, 197)`

Have a look what the booklet for
RYB(158, 228, 197) contains.

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Color

R_YB(158, 228, 197)

Conversions

Conversions Part 1

Format	Color
Hex	BDE49E
RGB	189, 228, 158
RGB Percent	74%, 89%, 62%
CMY	0.2588, 0.1059, 0.3804
CMYK	0.17, 0.00, 0.31, 0.11
HSL	93°, 56%, 76%
HSV	93°, 31%, 89%
XYZ	54.9012, 68.7742, 42.7289
YIQ	208.3590, -0.7740, -30.0380

Conversions

Conversions Part 2

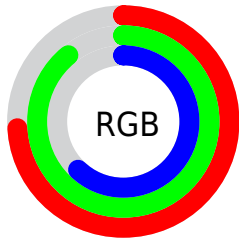
Format	Color
RYB	158, 228, 197
Decimal	12444830
CIELab	86.39, -24.94, 30.11
CIElCh	86, 39.099, 129.631
Yxy	68.7742, 0.3299, 0.4133
Android (android.graphics.Color)	4290634910 (0xFFBDE49E)
YUV	208.3590, -24.8270, -16.9778
Hunter-Lab	82.9302, -26.9579, 27.5026

Details

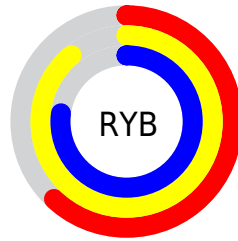
The RYB color **158, 228, 197** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **197, 158, 228**, and the grayscale version is **209, 209, 209**.

A 20% lighter version of the original color is **213, 255, 222**, and **106, 172, 143** is the 20% darker color. If you saturate the color by 10%, you get **135, 228, 187**, and if you desaturate by 10%, it is **181, 228, 207**.

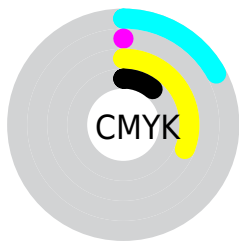
Distribution



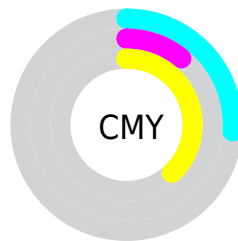
- Red (74%)
- Green (89%)
- Blue (62%)



- Red (62%)
- Yellow (89%)
- Blue (77%)



- Cyan (17%)
- Magenta (0%)
- Yellow (31%)
- Black (11%)



- Cyan (26%)
- Magenta (11%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 228, 197 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, 228, 197 by changing the saturation by 10% instead.

 158, 228, 197

255, 255, 255


 213, 255, 222

 242, 255, 242

 158, 228, 197

 132, 200, 171

 106, 172, 143

 81, 146, 118

 57, 120, 94

 34, 95, 70

 10, 71, 47

 0, 48, 36


 0, 30, 30

 0, 0, 0

 158, 228, 197

 158, 228, 197

 135, 228, 187

 181, 228, 207

 112, 228, 176

 204, 228, 218

 90, 228, 167

 226, 228, 227

 67, 228, 157

 240, 228, 249

 44, 228, 147

 253, 228, 255

 21, 228, 136

 255, 228, 255

 0, 228, 127

Harmonies

Analogous

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



156, 230, 142



158, 228, 197



145, 205, 234

Triad

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



158, 228, 197



127, 183, 255



255, 188, 205

Complementary

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



158, 228, 197



197, 158, 228

Split Complementary

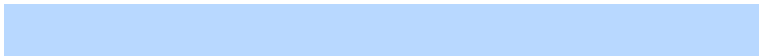
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 192, 243



158, 228, 197



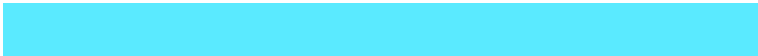
184, 206, 255

Square

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



158, 228, 197



90, 167, 255



236, 202, 255



255, 203, 171

Rectangle

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



158, 228, 197



116, 182, 236



236, 202, 255



255, 188, 218

Sweetspot

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



158, 228, 197



232, 255, 245



214, 228, 158



113, 128, 121



0, 0, 0



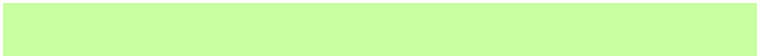
128, 128, 128

Same Dimension

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



158, 228, 197



161, 255, 214



158, 224, 228



103, 115, 110



0, 179, 100



0, 51, 28

Inverse Universe

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



197, 158, 228



213, 161, 255



228, 158, 225



110, 103, 115



99, 0, 179



28, 0, 51

Previews

White Background



This preview shows how the RYB color 158, 228, 197 looks on a white background.

Color Contrast Check

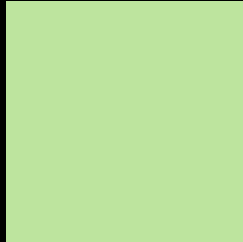
Large Text (above 18pt) WCAG AA × Fail

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, 228, 197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

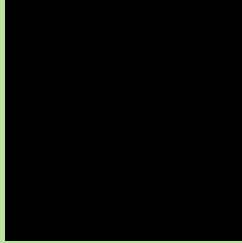
Any Text WCAG AA ✓ Pass

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, 228, 197 Background



This preview shows how black text looks on a background with the RYB color 158, 228, 197.

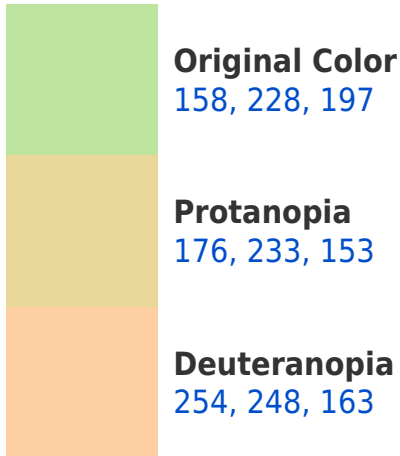


This preview shows how white text looks on a background with the RYB color 158, 228, 197.

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](#).

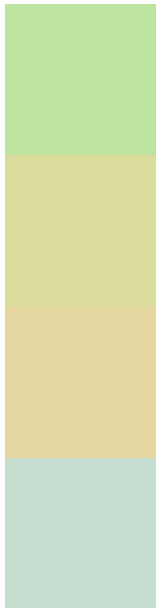
Dichromacy





Tritanopia
201, 212, 235

Trichromacy



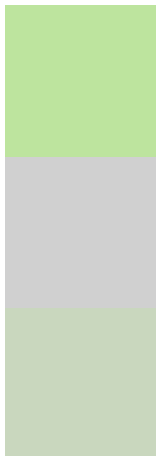
Original Color
158, 228, 197

Protanomaly
155, 220, 158

Deuteranomaly
180, 230, 161

Tritanomaly
197, 215, 222

Monochromacy



Original Color
158, 228, 197

Achromatopsia
208, 208, 208

Achromatomaly
190, 215, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 228, 197 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(189, 228, 158)` looks like.

```
.text, #text, p{  
    color:rgb(189, 228, 158)  
}
```

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(189, 228, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 228, 158) }
```

Border

The CSS property to change the border of an element to RYB 158, 228, 197 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(189, 228, 158) }
```

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

```
.border{ border-color:rgb(189, 228, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 228, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 228, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 228, 158); box-shadow:4px 4px 4px 4px rgb(189, 228, 158) }
```

Background

The CSS property to change the background color of an element to RYB 158, 228, 197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 228, 158) }
```

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

```
.background{ background-color: rgb(189,  
228, 158) }
```

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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