

Converting Colors

`RYB(158, 218, 186)`

Have a look what the booklet for
RYB(158, 218, 186) contains.

RYB(158, 218, 186)	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

R_YB(158, 218, 186)

Conversions

Conversions Part 1

Format	Color
Hex	BEDA9E
RGB	190, 218, 158
RGB Percent	75%, 85%, 62%
CMY	0.2549, 0.1451, 0.3804
CMYK	0.13, 0.00, 0.28, 0.15
HSL	88°, 45%, 74%
HSV	88°, 28%, 85%
XYZ	52.4782, 63.5586, 41.8499
YIQ	202.7880, 2.5720, -24.5960

Conversions

Conversions Part 2

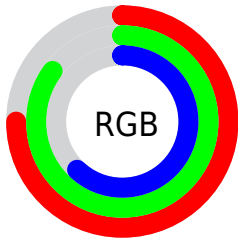
Format	Color
RYB	158, 218, 186
Decimal	12507806
CIELab	83.74, -19.71, 26.54
CIELCh	84, 33.058, 126.590
Yxy	63.5586, 0.3324, 0.4026
Android (android.graphics.Color)	4290697886 (0xFFBEDA9E)
YUV	202.7880, -22.0805, -11.2151
Hunter-Lab	79.7236, -22.0186, 24.6830

Details

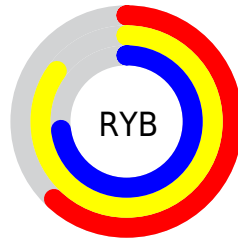
The RYB color **158, 218, 186** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **186, 158, 218**, and the grayscale version is **203, 203, 203**.

A 20% lighter version of the original color is **213, 255, 221**, and **106, 163, 133** is the 20% darker color. If you saturate the color by 10%, you get **136, 218, 174**, and if you desaturate by 10%, it is **180, 218, 198**.

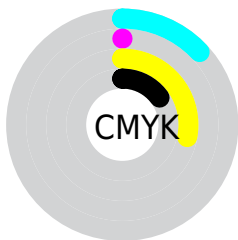
Distribution



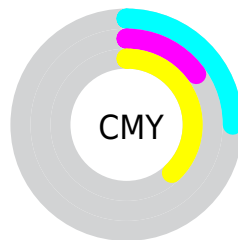
- Red (75%)
- Green (85%)
- Blue (62%)



- Red (62%)
- Yellow (85%)
- Blue (73%)



- Cyan (13%)
- Magenta (0%)
- Yellow (28%)
- Black (15%)



- Cyan (25%)
- Magenta (15%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 218, 186 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, 218, 186 by changing the saturation by 10% instead.


 158, 218, 186

255, 255, 255


 213, 255, 221

 241, 255, 241

 158, 218, 186

 132, 190, 159

 106, 163, 133

 82, 137, 109

 58, 111, 84

 35, 87, 61

 13, 63, 38

 0, 41, 24

 0, 21, 21

 0, 0, 0

 158, 218, 186

 158, 218, 186

 136, 218, 174

 180, 218, 198


 114, 218, 162

 202, 218, 210

 93, 218, 152

 221, 218, 223

 71, 218, 140

 231, 218, 245

 49, 218, 128

 241, 218, 255

 27, 218, 116

 251, 218, 255

 5, 218, 104

 255, 218, 255

 0, 218, 102

Harmonies

Analogous

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



166, 224, 147



158, 218, 186



154, 203, 224

Triad

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



158, 218, 186



136, 185, 255



255, 186, 203

Complementary

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



158, 218, 186



186, 158, 218

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.



254, 189, 234



158, 218, 186



179, 201, 255

Square

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



158, 218, 186



112, 173, 245



222, 198, 255



255, 193, 173

Rectangle

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



158, 218, 186



132, 185, 226



222, 198, 255



255, 186, 214

Sweetspot

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



158, 218, 186



235, 255, 245



218, 211, 158



115, 128, 121



0, 0, 0



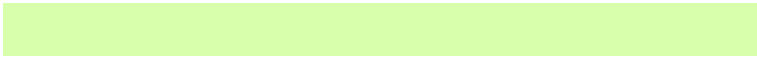
128, 128, 128

Same Dimension

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



158, 218, 186



171, 255, 210



158, 218, 216



99, 110, 104



0, 173, 81



0, 46, 22

Inverse Universe

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



186, 158, 218



210, 171, 255



216, 158, 218



104, 99, 110



81, 0, 173



21, 0, 46

Previews

White Background



This preview shows how the RYB color 158, 218, 186 looks on a white background.

Color Contrast Check

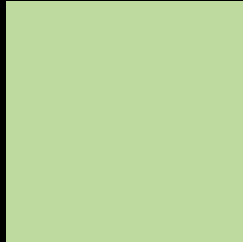
Large Text (above 18pt) WCAG AA × Fail

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, 218, 186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

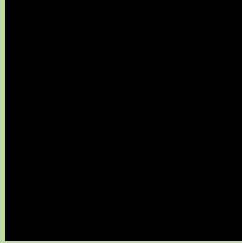
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

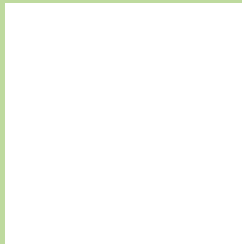
Any Text WCAG AAA ✓ Pass

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

RYB 158, 218, 186 Background



This preview shows how black text looks on a background with the RYB color 158, 218, 186.



This preview shows how white text looks on a background with the RYB color 158, 218, 186.

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, 218, 186

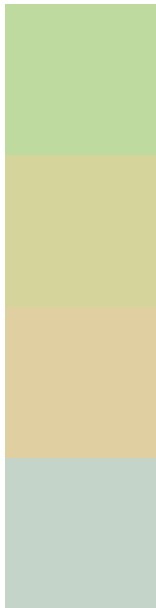
Protanopia
175, 224, 154

Deuteranopia
244, 233, 162



Tritanopia
200, 207, 226

Trichromacy



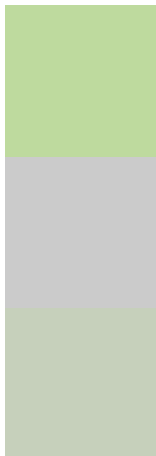
Original Color
158, 218, 186

Protanomaly
155, 212, 155

Deuteranomaly
184, 224, 161

Tritanomaly
196, 208, 212

Monochromacy



Original Color
158, 218, 186

Achromatopsia
203, 203, 203

Achromatomaly
187, 208, 197

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 218, 186 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(190, 218, 158)` looks like.

```
.text, #text, p{  
    color:rgb(190, 218, 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(190, 218, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 218, 158) }
```

Border

The CSS property to change the border of an element to RYB 158, 218, 186 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(190, 218, 158) }
```

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

```
.border{ border-color:rgb(190, 218, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 218, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 218, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 218, 158);  
box-shadow:4px 4px 4px 4px rgb(190, 218,  
158) }
```

Background

The CSS property to change the background color of an element to RYB 158, 218, 186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 218, 158) }
```

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

```
.background{ background-color: rgb(190,  
218, 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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