

Converting Colors

`RYB(158, 201, 214)`

Have a look what the booklet for
RYB(158, 201, 214) contains.

RYB(158, 201, 214)	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

$\text{RYB}(158, 201, 214)$

Conversions

Conversions Part 1

Format	Color
Hex	9ED6AF
RGB	158, 214, 175
RGB Percent	62%, 84%, 69%
CMY	0.3804, 0.1608, 0.3140
CMYK	0.26, 0.00, 0.18, 0.16
HSL	138°, 41%, 73%
HSV	138°, 26%, 84%
XYZ	45.8781, 58.4546, 49.3864
YIQ	192.8100, -20.8570, -24.0010

Conversions

Conversions Part 2

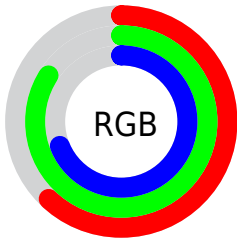
Format	Color
RYB	158, 201, 214
Decimal	10409647
CIELab	80.99, -25.85, 13.56
CIELCh	81, 29.188, 152.319
Yxy	58.4546, 0.2985, 0.3803
Android (android.graphics.Color)	4288599727 (0xFF9ED6AF)
YUV	192.8100, -8.7803, -30.5284
Hunter-Lab	76.4556, -26.6863, 15.2207

Details

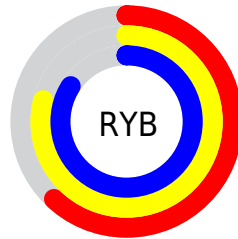
The RYB color **158, 201, 214** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **214, 158, 197**, and the grayscale version is **193, 193, 193**.

A 20% lighter version of the original color is **214, 243, 255**, and **105, 146, 159** is the 20% darker color. If you saturate the color by 10%, you get **137, 196, 214**, and if you desaturate by 10%, it is **179, 206, 214**.

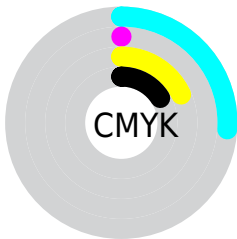
Distribution



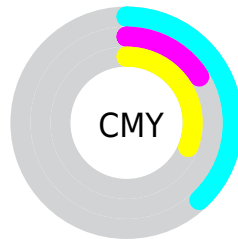
- Red (62%)
- Green (84%)
- Blue (69%)



- Red (62%)
- Yellow (79%)
- Blue (84%)



- Cyan (26%)
- Magenta (0%)
- Yellow (18%)
- Black (16%)



- Cyan (38%)
- Magenta (16%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 201, 214 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, 201, 214 by changing the saturation by 10% instead.


 158, 201, 214

255, 255, 255


 214, 243, 255

 242, 249, 255

 158, 201, 214

 131, 173, 186


 105, 146, 159

 80, 120, 133

 55, 93, 107

 30, 68, 83

 1, 40, 59


 0, 32, 37

 0, 7, 7

 0, 0, 0

 158, 201, 214


 158, 201, 214

 137, 196, 214


 179, 206, 214

 115, 191, 214


 201, 211, 214

 94, 186, 214


 222, 214, 220

 72, 181, 214

 244, 214, 235

 51, 176, 214

 255, 214, 250

 30, 172, 214

 255, 214, 255

 8, 166, 214

 0, 164, 214

Harmonies

Analogous

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



154, 208, 173



158, 201, 214



131, 177, 216

Triad

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



158, 201, 214



170, 194, 255



255, 186, 173

Complementary

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



158, 201, 214



214, 158, 197

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, 181, 200



158, 201, 214



208, 193, 247

Square

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



158, 201, 214



135, 181, 249



238, 185, 227



242, 218, 154

Rectangle

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



158, 201, 214



121, 170, 221



238, 185, 227



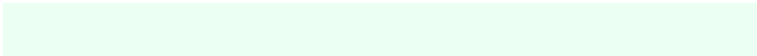
255, 182, 182

Sweetspot

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



158, 201, 214



235, 250, 255



158, 214, 175



115, 125, 128



0, 0, 0



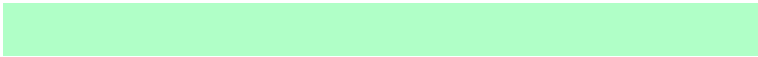
128, 128, 128

Same Dimension

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



158, 201, 214



176, 237, 255



158, 189, 214



96, 104, 107



0, 131, 171



0, 33, 43

Inverse Universe

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



214, 158, 197



255, 176, 231



214, 158, 169



107, 96, 104



171, 0, 119



43, 0, 30

Previews

White Background



This preview shows how the RYB color 158, 201, 214 looks on a white background.

Color Contrast Check

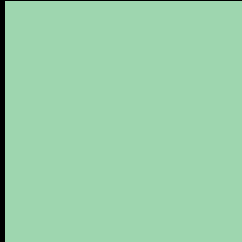
Large Text (above 18pt) WCAG AA × Fail

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, 201, 214 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, 201, 214 Background



This preview shows how black text looks on a background with the RYB color 158, 201, 214.

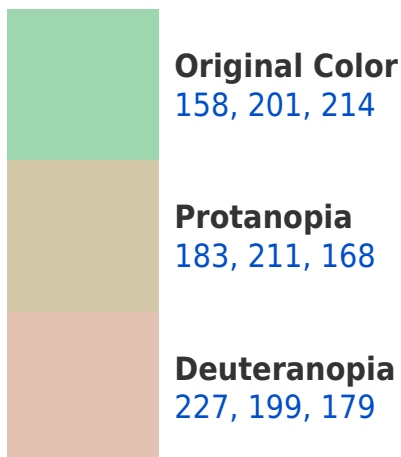


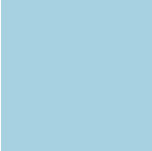
This preview shows how white text looks on a background with the RYB color 158, 201, 214.

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
167, 191, 224

Trichromacy



Original Color

158, 201, 214



Protanomaly

171, 205, 184



Deuteranomaly

179, 202, 178



Tritanomaly

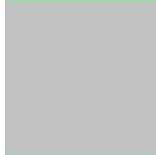
164, 188, 210

Monochromacy



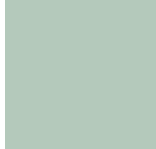
Original Color

158, 201, 214



Achromatopsia

193, 193, 193



Achromatomaly

180, 196, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 201, 214 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, 214, 175)` looks like.

```
.text, #text, p{  
    color:rgb(158, 214, 175)  
}
```

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, 214, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 214, 175) }
```

Border

The CSS property to change the border of an element to RYB 158, 201, 214 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, 214, 175) }
```

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

```
.border{ border-color:rgb(158, 214, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 214, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 214, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 214, 175); box-shadow:4px 4px 4px 4px rgb(158, 214, 175) }
```

Background

The CSS property to change the background color of an element to RYB 158, 201, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 214, 175) }
```

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

```
.background{ background-color: rgb(158,  
214, 175) }
```

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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