

Converting Colors

`RYB(158, 171, 201)`

Have a look what the booklet for
RYB(158, 171, 201) contains.

RYB(158, 171, 201)	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

$\text{RYB}(158, 171, 201)$

Conversions

Conversions Part 1

Format	Color
Hex	9EB1C9
RGB	158, 177, 201
RGB Percent	62%, 69%, 79%
CMY	0.3804, 0.3073, 0.2118
CMYK	0.21, 0.12, 0.00, 0.21
HSL	214°, 28%, 70%
HSV	214°, 21%, 79%
XYZ	40.2930, 42.7858, 61.3932
YIQ	174.0550, -19.0280, 3.4360

Conversions

Conversions Part 2

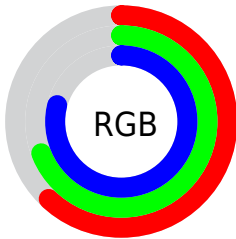
Format	Color
R _Y B	158, 171, 201
Decimal	10400201
CIE Lab	71.41, -1.16, -14.52
CIE LCh	71, 14.568, 265.443
Yxy	42.7858, 0.2789, 0.2962
Android (android.graphics.Color)	4288590281 (0xFF9EB1C9)
YUV	174.0550, 13.2839, -14.0802
Hunter-Lab	65.4108, -4.5132, -9.8607

Details

The RYB color **158, 171, 201** is a light color, and the websafe version is hex **999999**. A complement of this color would be **192, 201, 158**, and the grayscale version is **174, 174, 174**.

A 20% lighter version of the original color is **213, 227, 255**, and **106, 119, 147** is the 20% darker color. If you saturate the color by 10%, you get **138, 157, 201**, and if you desaturate by 10%, it is **178, 185, 201**.

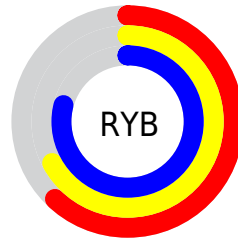
Distribution



Red (62%)

Green (69%)

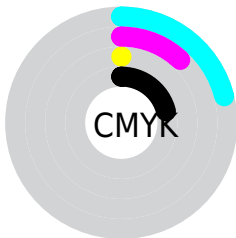
Blue (79%)



Red (62%)

Yellow (67%)

Blue (79%)

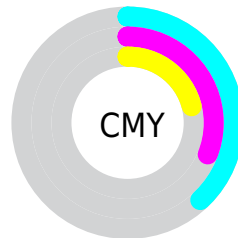


Cyan (21%)

Magenta (12%)

Yellow (0%)

Black (21%)



Cyan (38%)

Magenta (31%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 171, 201 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, 171, 201 by changing the saturation by 10% instead.


 158, 171, 201

255, 255, 255


 213, 226, 255

 242, 249, 255

 158, 171, 201


 132, 145, 174

 106, 119, 147

 81, 93, 121

 57, 69, 96

 34, 47, 73

 10, 24, 50

 0, 6, 29

 0, 0, 0

 158, 171, 201

 158, 171, 201

■ 138, 157, 201

■ 178, 185, 201

■ 118, 143, 201

■ 198, 199, 201

■ 98, 129, 201

■ 213, 218, 201

■ 78, 115, 201

■ 229, 238, 201

■ 58, 101, 201

■ 235, 255, 201

■ 37, 87, 201

■ 213, 255, 201

■ 17, 73, 201

■ 201, 255, 201

■ 0, 61, 201

Harmonies

Analogous

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



145, 166, 196



158, 171, 201



175, 172, 199

Triad

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



158, 171, 201



203, 166, 164



158, 180, 181

Complementary

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



158, 171, 201



192, 201, 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.



151, 178, 156



158, 171, 201



198, 178, 153

Square

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



158, 171, 201



200, 166, 177



173, 188, 149



146, 168, 183

Rectangle

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



158, 171, 201



186, 169, 194



173, 188, 149



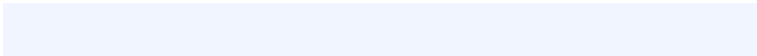
156, 180, 173

Sweetspot

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



158, 171, 201



240, 244, 255



158, 186, 201



119, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



158, 171, 201



189, 209, 255



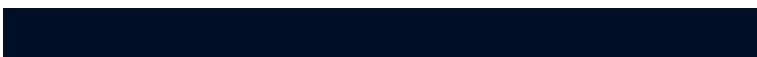
161, 158, 201



90, 93, 99



0, 49, 163



0, 11, 36

Inverse Universe

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



201, 158, 177



255, 189, 217



158, 201, 161



99, 90, 94



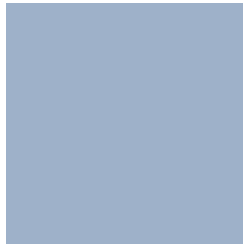
163, 0, 71



36, 0, 15

Previews

White Background



This preview shows how the RYB color 158, 171, 201 looks on a white background.

Color Contrast Check

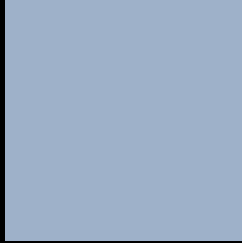
Large Text (above 18pt) WCAG AA × Fail

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, 171, 201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

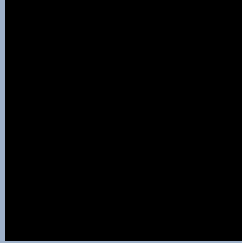
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

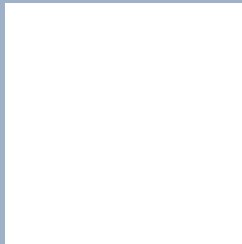
Any Text WCAG AAA ✓ Pass

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

RYB 158, 171, 201 Background



This preview shows how black text looks on a background with the RYB color 158, 171, 201.



This preview shows how white text looks on a background with the RYB color 158, 171, 201.

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, 171, 201

Protanopia
170, 173, 199

Deuteranopia
178, 170, 202



Tritanopia
156, 170, 192

Trichromacy



Original Color
158, 171, 201

Protanomaly
166, 172, 200

Deuteranomaly
171, 172, 202

Tritanomaly
157, 171, 195

Monochromacy



Original Color
158, 171, 201

Achromatopsia
174, 174, 174

Achromatomaly
168, 173, 184

CSS Examples

Text

The CSS property to change the color of the text to RGB 158, 171, 201 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, 177, 201) looks like.

```
.text, #text, p{  
    color:rgb(158, 177, 201)  
}
```

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, 177, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 177, 201) }
```

Border

The CSS property to change the border of an element to RYB 158, 171, 201 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, 177, 201) }
```

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

```
.border{ border-color:rgb(158, 177, 201) }
```

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

Here you see how a box with a 4 pixel rgb(158, 177, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 177, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 177, 201);  
box-shadow:4px 4px 4px 4px rgb(158, 177,  
201) }
```

Background

The CSS property to change the background color of an element to RYB 158, 171, 201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 177, 201) }
```

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

```
.background{ background-color: rgb(158,  
177, 201) }
```

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