

Converting Colors

`RYB(158, 172, 196)`

Have a look what the booklet for
RYB(158, 172, 196) contains.

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Color

R_YB(158, 172, 196)

Conversions

Conversions Part 1

Format	Color
Hex	9EB4C4
RGB	158, 180, 196
RGB Percent	62%, 71%, 77%
CMY	0.3804, 0.2935, 0.2314
CMYK	0.19, 0.08, 0.00, 0.23
HSL	205°, 24%, 69%
HSV	205°, 19%, 77%
XYZ	40.4193, 43.9645, 58.5802
YIQ	175.2460, -18.2480, 0.3120

Conversions

Conversions Part 2

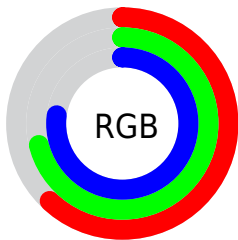
Format	Color
R _Y B	158, 172, 196
Decimal	10400964
CIE Lab	72.20, -4.19, -10.59
CIE LCh	72, 11.388, 248.391
Yxy	43.9645, 0.2827, 0.3075
Android (android.graphics.Color)	4288591044 (0xFF9EB4C4)
YUV	175.2460, 10.2317, -15.1247
Hunter-Lab	66.3057, -7.2232, -5.9679

Details

The RYB color **158, 172, 196** is a light color, and the websafe version is hex **999999**. A complement of this color would be **196, 186, 158**, and the grayscale version is **175, 175, 175**.

A 20% lighter version of the original color is **213, 228, 253**, and **106, 119, 142** is the 20% darker color. If you saturate the color by 10%, you get **138, 159, 196**, and if you desaturate by 10%, it is **178, 184, 196**.

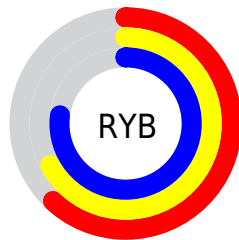
Distribution



Red (62%)

Green (71%)

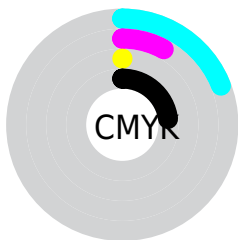
Blue (77%)



Red (62%)

Yellow (67%)

Blue (77%)

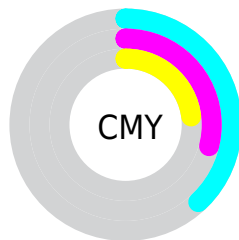


Cyan (19%)

Magenta (8%)

Yellow (0%)

Black (23%)



Cyan (38%)

Magenta (29%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 172, 196 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, 172, 196 by changing the saturation by 10% instead.

 158, 172, 196

255, 255, 255


 213, 228, 253


 242, 249, 255

 158, 172, 196

 132, 145, 169

 106, 119, 142

 81, 94, 117

 58, 71, 92

 35, 48, 69

 12, 25, 46

 0, 8, 26

 0, 0, 0

 158, 172, 196

 158, 172, 196

■ 138, 159, 196

■ 178, 184, 196

■ 119, 147, 196

■ 196, 197, 196

■ 99, 135, 196

■ 217, 212, 196

■ 80, 122, 196

■ 236, 226, 196

■ 60, 110, 196

■ 255, 239, 196

■ 40, 97, 196

■ 242, 255, 196

■ 21, 85, 196

■ 222, 255, 196

■ 1, 73, 196

■ 207, 255, 196

■ 0, 72, 196

■ 197, 255, 196

Harmonies

Analogous

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



151, 168, 190



158, 172, 196



170, 176, 197

Triad

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



158, 172, 196



199, 170, 174



161, 180, 170

Complementary

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



158, 172, 196



196, 186, 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.



165, 183, 157



158, 172, 196



199, 172, 165

Square

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



158, 172, 196



193, 171, 185



193, 187, 158



159, 176, 183

Rectangle

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



158, 172, 196



178, 175, 195



193, 187, 158



159, 179, 163

Sweetspot

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



158, 172, 196



240, 246, 255



158, 185, 196



119, 122, 128



0, 0, 0



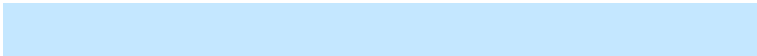
128, 128, 128

Same Dimension

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



158, 172, 196



196, 218, 255



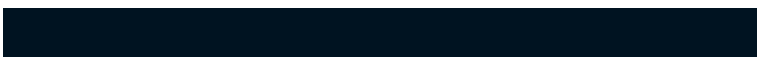
158, 161, 196



87, 91, 97



0, 59, 161



0, 12, 33

Inverse Universe

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



196, 158, 180



255, 196, 231



161, 196, 158



97, 87, 93



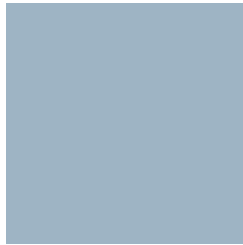
161, 0, 94



33, 0, 19

Previews

White Background



This preview shows how the RYB color 158, 172, 196 looks on a white background.

Color Contrast Check

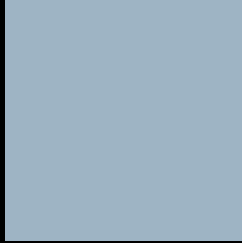
Large Text (above 18pt) WCAG AA × Fail

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, 172, 196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

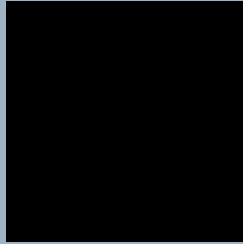
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

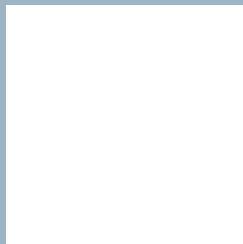
Any Text WCAG AAA ✓ Pass

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

RYB 158, 172, 196 Background



This preview shows how black text looks on a background with the RYB color 158, 172, 196.



This preview shows how white text looks on a background with the RYB color 158, 172, 196.

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, 172, 196

Protanopia
175, 176, 193

Deuteranopia
184, 172, 198



Tritanopia
158, 172, 195

Trichromacy



Original Color

158, 172, 196

Protanomaly

169, 176, 194

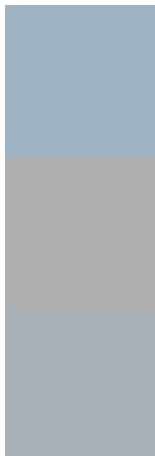
Deuteranomaly

175, 175, 197

Tritanomaly

158, 172, 195

Monochromacy



Original Color

158, 172, 196

Achromatopsia

175, 175, 175

Achromatomaly

169, 174, 183

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 172, 196 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, 180, 196)` looks like.

```
.text, #text, p{  
    color:rgb(158, 180, 196)  
}
```

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, 180, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 180, 196) }
```

Border

The CSS property to change the border of an element to RYB 158, 172, 196 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, 180, 196) }
```

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

```
.border{ border-color:rgb(158, 180, 196) }
```

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

Here you see how a box with a 4 pixel rgb(158, 180, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 180, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 180, 196);  
box-shadow:4px 4px 4px 4px rgb(158, 180,  
196) }
```

Background

The CSS property to change the background color of an element to RYB 158, 172, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 180, 196) }
```

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

```
.background{ background-color: rgb(158,  
180, 196) }
```

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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