

Converting Colors

`RYB(158, 158, 158)`

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

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Color

`RYB(158, 158, 158)`

Conversions

Conversions Part 1

Format	Color
Hex	9E9E9E
RGB	158, 158, 158
RGB Percent	62%, 62%, 62%
CMY	0.3804, 0.3804, 0.3804
CMYK	0.00, 0.00, 0.00, 0.38
HSL	0°, 0%, 62%
HSV	0°, 0%, 62%
XYZ	32.4990, 34.1914, 37.2345

Conversions

Conversions Part 2

Format	Color
RYB	158, 158, 158
Decimal	10395294
CIELab	65.11, 0.00, -0.01
CIELCh	65, 0.008, 296.813
Yxy	34.1914, 0.3127, 0.3290
Android (android.graphics.Color)	4288585374 (0xFF9E9E9E)
YUV	158.0000, 0.0000, 0.0000

Details

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

A 20% lighter version of the original color is **213, 213, 213**, and **107, 107, 107** is the 20% darker color. If you saturate the color by 10%, you get **158, 142, 142**, and if you desaturate by 10%, it is **158, 166, 174**.

Distribution



Red (62%)

Green (62%)

Blue (62%)



Red (62%)

Yellow (62%)

Blue (62%)



Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (38%)



Cyan (38%)

Magenta (38%)


Yellow (38%)

Brightness & Saturation Gradients

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

 158, 158, 158

 185, 185, 185


 213, 213, 213

 241, 241, 241

255, 255, 255

 158, 158, 158

 132, 132, 132

 107, 107, 107

 83, 83, 83


 60, 60, 60


 38, 38, 38


 17, 17, 17

 0, 0, 0

 158, 158, 158

 158, 142, 142

 158, 126, 126

 158, 111, 111


 158, 95, 95


 158, 79, 79


 158, 63, 63

 158, 47, 47


 158, 158, 158

 158, 166, 174

 158, 174, 190

 158, 182, 205

 158, 190, 221

 158, 198, 237

 158, 206, 253

 158, 207, 255

■ 158, 32, 32

■ 158, 16, 16

Harmonies

Sweetspot

The sweet spot groups the original color and five complimentary colors.



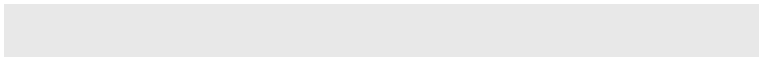
158, 158, 158



207, 207, 207



105, 105, 105



232, 232, 232

Previews

White Background



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

Color Contrast Check

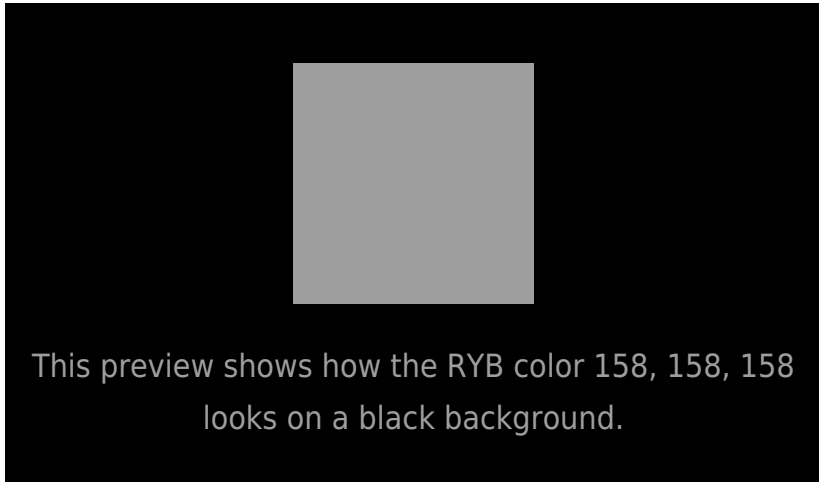
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

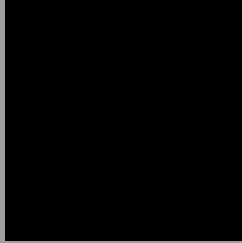
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

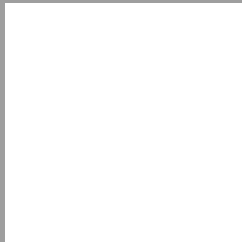
Any Text WCAG AAA ✓ Pass

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

RYB 158, 158, 158 Background



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



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

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, 158, 158

Protanopia
161, 157, 158

Deuteranopia
173, 153, 159



Tritanopia
160, 156, 169

Trichromacy



Original Color

158, 158, 158

Protanomaly

160, 157, 158

Deuteranomaly

168, 155, 159

Tritanomaly

159, 157, 165

Monochromacy



Original Color

158, 158, 158

Achromatopsia

158, 158, 158

Achromatomaly

158, 158, 158

CSS Examples

Text

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

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

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

Border

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

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

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

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

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

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

Background

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

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

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

```
.background{ background-color: rgb(158,  
158, 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](#).

Hey! You found this booklet interesting? Have a look at my other booklet HOWCOLORS.WORK – A CSS color notation guide.



HOWCOLORS.WORK

A CSS color notation guide.

Are you new to web development and want to know the different ways to express colors in CSS? Then this booklet is for you!

HOWCOLORS.WORK will help you understand the syntax of the color notations in CSS.

You will learn all the current and new ways to express colors to prepare yourself for the future!

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