

Converting Colors

`RYB(159, 157, 159)`

Have a look what the booklet for
RYB(159, 157, 159) contains.

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Color

RYB(159, 157, 159)

Conversions

Conversions Part 1

Format	Color
Hex	9F9D9F
RGB	159, 157, 159
RGB Percent	62%, 62%, 62%
CMY	0.3765, 0.3843, 0.3765
CMYK	0.00, 0.01, 0.00, 0.38
HSL	300°, 1%, 62%
HSV	300°, 1%, 62%
XYZ	32.6131, 33.9881, 37.6423
YIQ	157.8260, 0.5500, 1.0460

Conversions

Conversions Part 2

Format	Color
RYB	159, 157, 159
Decimal	10460575
CIELab	64.95, 1.11, -0.79
CIELCh	65, 1.362, 324.350
Yxy	33.9881, 0.3129, 0.3260
Android (android.graphics.Color)	4288650655 (0xFF9F9D9F)
YUV	157.8260, 0.5788, 1.0296
Hunter-Lab	58.2993, -2.1695, 2.5275

Details

The RYB color **159, 157, 159** is a light color, and the websafe version is hex **999999**. A complement of this color would be **157, 159, 159**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **214, 212, 214**, and **108, 106, 108** is the 20% darker color. If you saturate the color by 10%, you get **159, 141, 159**, and if you desaturate by 10%, it is **159, 173, 173**.

Distribution



Red (62%)

Green (62%)

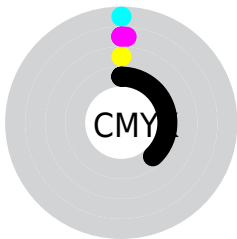
Blue (62%)



Red (62%)

Yellow (62%)

Blue (62%)



Cyan (0%)

Magenta (1%)

Yellow (0%)

Black (38%)



Cyan (38%)

Magenta (38%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 157, 159 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 159, 157, 159 by changing the saturation by 10% instead.


 159, 157, 159

255, 255, 255

 214, 212, 214

 242, 240, 242

 159, 157, 159

 133, 131, 133

 108, 106, 108

 83, 82, 83

 60, 59, 60


 39, 37, 39

 18, 16, 18

 0, 0, 0

 159, 157, 159


 159, 141, 159

 159, 157, 159

 159, 173, 173

 159, 125, 159

 159, 189, 189

 159, 109, 159

 159, 205, 205

 159, 93, 159

 159, 221, 221

 159, 78, 159

 159, 237, 237


 159, 62, 159

 159, 252, 252

 159, 46, 159

 159, 255, 255

 159, 30, 159

 159, 14, 159

Harmonies

Analogous

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



158, 157, 160



159, 157, 159



160, 157, 158

Triad

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



159, 157, 159



159, 159, 155



155, 157, 159

Complementary

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



159, 157, 159



157, 159, 159

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.



155, 157, 158



159, 157, 159



155, 158, 155

Square

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



159, 157, 159



160, 157, 156



156, 158, 158



155, 157, 159

Rectangle

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



159, 157, 159



160, 157, 157



156, 158, 158



155, 157, 158

Sweetspot

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



159, 157, 159



207, 207, 207



157, 157, 159



105, 105, 105



232, 232, 232

Same Dimension

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



159, 157, 159



207, 202, 207



159, 157, 158



79, 77, 79



143, 0, 143



15, 0, 15

Inverse Universe

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



159, 157, 159



207, 202, 207



157, 158, 159



79, 77, 79



143, 0, 143



15, 0, 15

Previews

White Background



This preview shows how the RYB color 159, 157, 159 looks on a white background.

Color Contrast Check

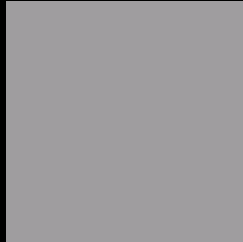
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 159, 157, 159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

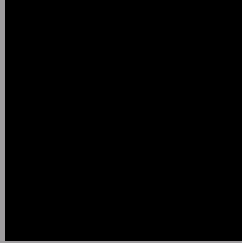
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

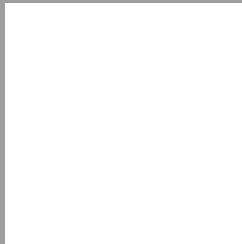
Any Text WCAG AAA ✓ Pass

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

RYB 159, 157, 159 Background



This preview shows how black text looks on a background with the RYB color 159, 157, 159.



This preview shows how white text looks on a background with the RYB color 159, 157, 159.

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

159, 157, 159

Protanopia

160, 157, 159

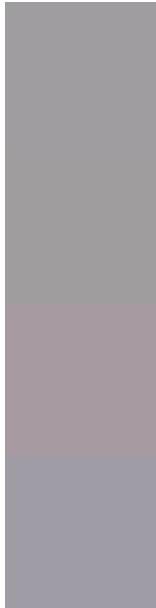
Deuteranopia

172, 153, 160



Tritanopia
160, 156, 168

Trichromacy



Original Color

159, 157, 159

Protanomaly

160, 157, 159

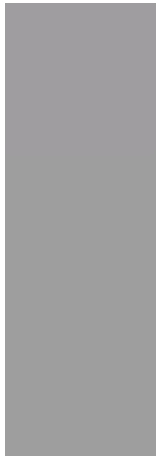
Deuteranomaly

167, 154, 160

Tritanomaly

160, 156, 165

Monochromacy



Original Color

159, 157, 159

Achromatopsia

158, 158, 158

Achromatomaly

158, 158, 158

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 157, 159 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(159, 157, 159)` looks like.

```
.text, #text, p{  
    color:rgb(159, 157, 159)  
}
```

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(159, 157, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 157, 159) }
```

Border

The CSS property to change the border of an element to RYB 159, 157, 159 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(159, 157, 159) }
```

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

```
.border{ border-color:rgb(159, 157, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 157, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 157, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 157, 159);  
box-shadow:4px 4px 4px 4px rgb(159, 157,  
159) }
```

Background

The CSS property to change the background color of an element to RYB 159, 157, 159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 157, 159) }
```

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

```
.background{ background-color: rgb(159,  
157, 159) }
```

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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