

Converting Colors

`RYB(163, 171, 159)`

Have a look what the booklet for
RYB(163, 171, 159) contains.

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Color

R_YB(163, 171, 159)

Conversions

Conversions Part 1

Format	Color
Hex	ABA89F
RGB	171, 168, 159
RGB Percent	67%, 66%, 62%
CMY	0.3294, 0.3412, 0.3765
CMYK	0.00, 0.02, 0.07, 0.33
HSL	45°, 7%, 65%
HSV	45°, 7%, 67%
XYZ	37.0552, 39.1664, 38.4077
YIQ	167.8710, 4.6770, -2.1630

Conversions

Conversions Part 2

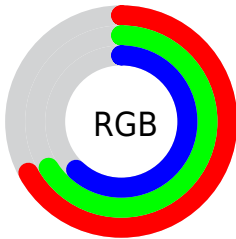
Format	Color
RYB	163, 171, 159
Decimal	11249823
CIELab	68.87, -0.56, 5.02
CIELCh	69, 5.049, 96.390
Yxy	39.1664, 0.3233, 0.3417
Android (android.graphics.Color)	4289439903 (0xFFABA89F)
YUV	167.8710, -4.3734, 2.7441
Hunter-Lab	62.5831, -3.8311, 7.4214

Details

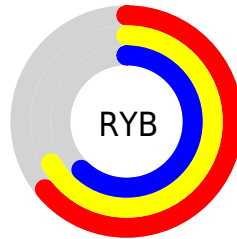
The RYB color **163, 171, 159** is a light color, and the websafe version is hex **999999**. A complement of this color would be **159, 161, 171**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **218, 226, 214**, and **112, 119, 108** is the 20% darker color. If you saturate the color by 10%, you get **151, 171, 142**, and if you desaturate by 10%, it is **171, 172, 176**.

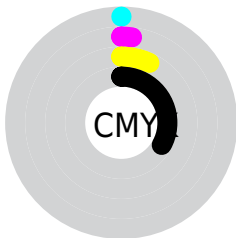
Distribution



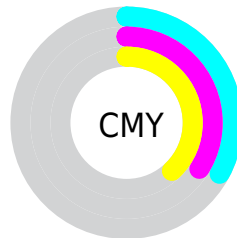
- Red (67%)
- Green (66%)
- Blue (62%)



- Red (64%)
- Yellow (67%)
- Blue (62%)



- Cyan (0%)
- Magenta (2%)
- Yellow (7%)
- Black (33%)



- Cyan (33%)
- Magenta (34%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 171, 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 163, 171, 159 by changing the saturation by 10% instead.


 163, 171, 159

255, 255, 255

 218, 226, 214


 246, 255, 242

 163, 171, 159


 135, 144, 133

 112, 119, 108

 85, 94, 83


 63, 70, 60

 42, 48, 39


 21, 27, 18


 0, 0, 0


 163, 171, 159


 151, 171, 142


 163, 171, 159


 171, 172, 176


 141, 171, 125


 171, 176, 193


 129, 171, 108

 171, 179, 210


 118, 171, 91

 171, 182, 227


 106, 171, 74


 171, 185, 244


 95, 171, 56


 171, 189, 255


 83, 171, 39

 171, 191, 255

 71, 171, 22

 171, 194, 255

 59, 171, 5

 171, 196, 255

Harmonies

Analogous

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



175, 173, 160



163, 171, 159



161, 169, 164

Triad

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



163, 171, 159



157, 164, 173



175, 165, 172

Complementary

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



163, 171, 159



159, 161, 171

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.



170, 167, 175



163, 171, 159



160, 166, 176

Square

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



163, 171, 159



158, 165, 171



165, 167, 177



178, 165, 167

Rectangle

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



163, 171, 159



162, 169, 170



165, 167, 177



174, 166, 173

Sweetspot

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



163, 171, 159



218, 222, 217



171, 159, 162



110, 112, 110



240, 240, 240



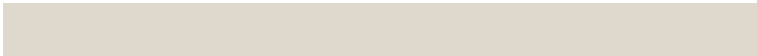
112, 112, 112

Same Dimension

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



163, 171, 159



211, 222, 204



159, 171, 162



81, 87, 78



49, 150, 0



8, 23, 0

Inverse Universe

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



159, 161, 171



204, 208, 222



162, 159, 171



78, 80, 87



0, 30, 150



0, 5, 23

Previews

White Background



This preview shows how the RYB color 163, 171, 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 RYB color 163, 171, 159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

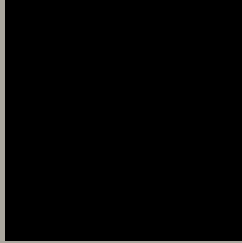
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

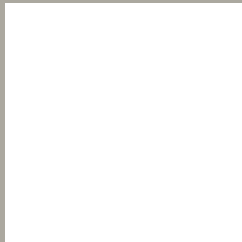
Any Text WCAG AAA ✓ Pass

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

RYB 163, 171, 159 Background



This preview shows how black text looks on a background with the RYB color 163, 171, 159.



This preview shows how white text looks on a background with the RYB color 163, 171, 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


163, 171, 159

Protanopia

170, 173, 159

Deuteranopia

187, 162, 160



Tritanopia

174, 165, 178

Trichromacy



Original Color

163, 171, 159

Protanomaly

167, 172, 159

Deuteranomaly

181, 165, 160

Tritanomaly

173, 166, 171

Monochromacy



Original Color

163, 171, 159

Achromatopsia

168, 168, 168

Achromatomaly

166, 169, 165

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 171, 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(171, 168, 159) looks like.

```
.text, #text, p{  
    color:rgb(171, 168, 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(171, 168, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 168, 159) }
```

Border

The CSS property to change the border of an element to RYB 163, 171, 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(171, 168, 159) }
```

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

```
.border{ border-color:rgb(171, 168, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 168, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 168, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 168, 159); box-shadow:4px 4px 4px 4px rgb(171, 168, 159) }
```

Background

The CSS property to change the background color of an element to RYB 163, 171, 159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 168, 159) }
```

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

```
.background{ background-color: rgb(171,  
168, 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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