

Converting Colors

`RYB(171, 163, 168)`

Have a look what the booklet for
RYB(171, 163, 168) contains.

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Color

R_YB(171, 163, 168)

Conversions

Conversions Part 1

Format	Color
Hex	ABA3A8
RGB	171, 163, 168
RGB Percent	67%, 64%, 66%
CMY	0.3294, 0.3608, 0.3412
CMYK	0.00, 0.05, 0.02, 0.33
HSL	322°, 5%, 65%
HSV	322°, 5%, 67%
XYZ	36.9597, 37.6795, 42.3707
YIQ	165.9620, 3.1630, 3.2510

Conversions

Conversions Part 2

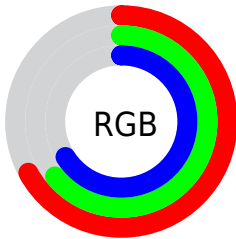
Format	Color
RYB	171, 163, 168
Decimal	11248552
CIELab	67.78, 3.81, -1.56
CIElCh	68, 4.120, 337.742
Yxy	37.6795, 0.3159, 0.3220
Android (android.graphics.Color)	4289438632 (0xFFABA3A8)
YUV	165.9620, 1.0047, 4.4183
Hunter-Lab	61.3836, 0.0553, 2.0430

Details

The RYB color **171, 163, 168** is a light color, and the websafe version is hex **999999**. A complement of this color would be **163, 169, 171**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **226, 218, 223**, and **119, 111, 116** is the 20% darker color. If you saturate the color by 10%, you get **171, 146, 162**, and if you desaturate by 10%, it is **171, 178, 180**.

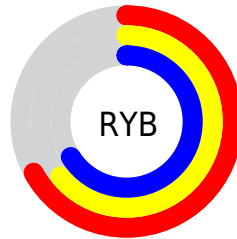
Distribution



Red (67%)

Green (64%)

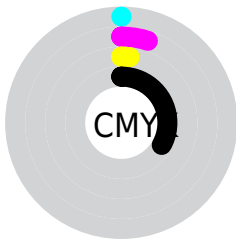
Blue (66%)



Red (67%)

Yellow (64%)

Blue (66%)

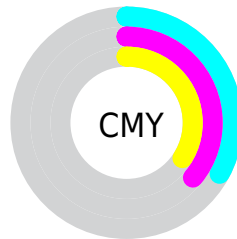


Cyan (0%)

Magenta (5%)

Yellow (2%)

Black (33%)



Cyan (33%)

Magenta (36%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 171, 163, 168 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 171, 163, 168 by changing the saturation by 10% instead.


 171, 163, 168

255, 255, 255

 226, 218, 223


 255, 246, 252

 171, 163, 168

 144, 137, 142

 119, 111, 116

 94, 87, 91

 71, 64, 68

 48, 42, 46

 27, 21, 25

 0, 0, 0

 171, 163, 168

 171, 146, 162

 171, 163, 168

 171, 178, 180

■ 171, 129, 155

■ 171, 190, 197

■ 171, 112, 149

■ 171, 202, 214

■ 171, 95, 142

■ 171, 214, 231

■ 171, 77, 136

■ 171, 227, 248

■ 171, 60, 130

■ 171, 230, 255

■ 171, 43, 123

■ 171, 227, 255

■ 171, 26, 117

■ 171, 224, 255

■ 171, 9, 110

■ 171, 222, 255

Harmonies

Analogous

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



167, 164, 171



171, 163, 168



173, 163, 164

Triad

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



171, 163, 168



161, 167, 158



156, 162, 169

Complementary

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



171, 163, 168



163, 169, 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.



157, 162, 167



171, 163, 168



159, 166, 162

Square

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



171, 163, 168



171, 169, 158



159, 165, 167



159, 164, 172

Rectangle

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



171, 163, 168



173, 163, 162



159, 165, 167



156, 162, 168

Sweetspot

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



171, 163, 168



222, 220, 221



166, 163, 171



112, 111, 112



240, 240, 240



112, 112, 112

Same Dimension

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



171, 163, 168



222, 209, 217



171, 163, 164



87, 81, 84



150, 0, 94



23, 0, 14

Inverse Universe

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



171, 163, 168



222, 209, 217



163, 167, 171



87, 81, 84



150, 0, 94



23, 0, 14

Previews

White Background



This preview shows how the RYB color 171, 163, 168 looks on a white background.

Color Contrast Check

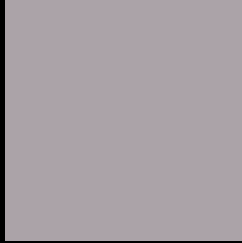
Large Text (above 18pt) WCAG AA × Fail

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 171, 163, 168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

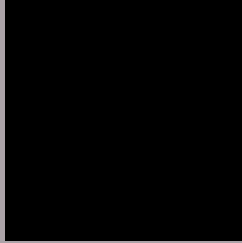
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

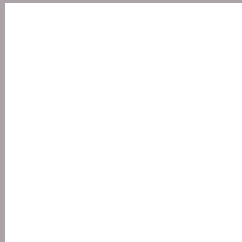
Any Text WCAG AAA ✓ Pass

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

RYB 171, 163, 168 Background



This preview shows how black text looks on a background with the RYB color 171, 163, 168.



This preview shows how white text looks on a background with the RYB color 171, 163, 168.

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
171, 163, 168

Protanopia
167, 164, 169

Deuteranopia
179, 160, 169



Tritanopia
172, 162, 175

Trichromacy



Original Color

171, 163, 168

Protanomaly

168, 164, 169

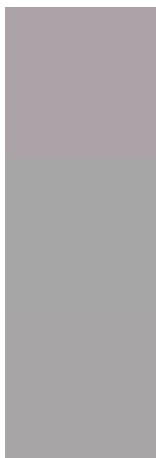
Deuteranomaly

176, 161, 169

Tritanomaly

172, 162, 172

Monochromacy



Original Color

171, 163, 168

Achromatopsia

166, 166, 166

Achromatomaly

168, 165, 167

CSS Examples

Text

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

```
.text, #text, p{  
    color:rgb(171, 163, 168)  
}
```

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, 163, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 163, 168) }
```

Border

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

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

```
.border{ border-color:rgb(171, 163, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 163, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 163, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 163, 168);  
box-shadow:4px 4px 4px 4px rgb(171, 163,  
168) }
```

Background

The CSS property to change the background color of an element to RYB 171, 163, 168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 163, 168) }
```

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

```
.background{ background-color: rgb(171,  
163, 168) }
```

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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