

Converting Colors

`RYB(168, 163, 172)`

Have a look what the booklet for
RYB(168, 163, 172) contains.

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Color

$\text{RYB}(168, 163, 172)$

Conversions

Conversions Part 1

Format	Color
Hex	A8A3AC
RGB	168, 163, 172
RGB Percent	66%, 64%, 67%
CMY	0.3412, 0.3608, 0.3255
CMYK	0.02, 0.05, 0.00, 0.33
HSL	273°, 5%, 66%
HSV	273°, 5%, 67%
XYZ	36.6920, 37.4978, 44.3336
YIQ	165.5210, 0.0910, 3.8590

Conversions

Conversions Part 2

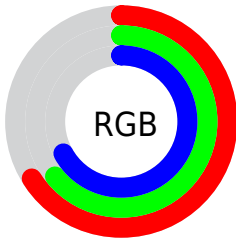
Format	Color
RYB	168, 163, 172
Decimal	11051948
CIELab	67.65, 3.51, -4.01
CIELCh	68, 5.333, 311.180
Yxy	37.4978, 0.3096, 0.3164
Android (android.graphics.Color)	4289242028 (0xFFA8A3AC)
YUV	165.5210, 3.1941, 2.1741
Hunter-Lab	61.2354, -0.2055, -0.0604

Details

The RYB color **168, 163, 172** is a light color, and the websafe version is hex **999999**. A complement of this color would be **163, 172, 168**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **223, 218, 227**, and **116, 111, 120** is the 20% darker color. If you saturate the color by 10%, you get **160, 146, 172**, and if you desaturate by 10%, it is **172, 180, 176**.

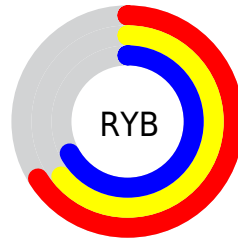
Distribution



Red (66%)

Green (64%)

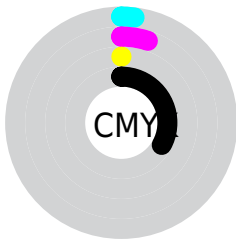
Blue (67%)



Red (66%)

Yellow (64%)

Blue (67%)

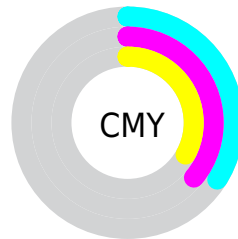


Cyan (2%)

Magenta (5%)

Yellow (0%)

Black (33%)



Cyan (34%)

Magenta (36%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 168, 163, 172 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 168, 163, 172 by changing the saturation by 10% instead.


 168, 163, 172

255, 255, 255


 223, 218, 227

 252, 246, 255

 168, 163, 172

 142, 137, 145

 116, 111, 120

 91, 87, 95

 68, 64, 71


 46, 42, 49


 25, 21, 28

 0, 0, 0

 168, 163, 172

 160, 146, 172

 168, 163, 172

 172, 180, 176

■ 153, 129, 172

■ 172, 197, 186

■ 145, 111, 172

■ 172, 215, 196

■ 137, 94, 172

■ 172, 232, 205

■ 130, 77, 172

■ 172, 249, 215

■ 122, 60, 172

■ 172, 255, 213

■ 114, 43, 172

■ 172, 255, 205

■ 107, 25, 172

■ 172, 255, 198

■ 99, 8, 172

■ 172, 255, 190

Harmonies

Analogous

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



162, 164, 174



168, 163, 172



173, 162, 168

Triad

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



168, 163, 172



172, 168, 156



154, 162, 168

Complementary

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



168, 163, 172



163, 172, 168

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.



156, 164, 167



168, 163, 172



157, 167, 155

Square

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



168, 163, 172



175, 163, 159



157, 166, 162



154, 161, 171

Rectangle

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



168, 163, 172



175, 162, 165



157, 166, 162



154, 162, 168

Sweetspot

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



168, 163, 172



222, 220, 224



163, 166, 172



111, 110, 112



240, 240, 240



112, 112, 112

Same Dimension

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



168, 163, 172



218, 211, 224



172, 163, 172



84, 81, 87



84, 0, 150



13, 0, 23

Inverse Universe

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



172, 163, 167



224, 211, 217



163, 172, 172



87, 81, 83



150, 0, 67



23, 0, 10

Previews

White Background



This preview shows how the RYB color 168, 163, 172 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 168, 163, 172 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

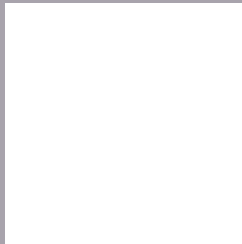
Any Text WCAG AAA ✓ Pass

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

RYB 168, 163, 172 Background



This preview shows how black text looks on a background with the RYB color 168, 163, 172.



This preview shows how white text looks on a background with the RYB color 168, 163, 172.

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
168, 163, 172

Protanopia
165, 164, 172

Deuteranopia
177, 160, 173



Tritanopia
169, 162, 175

Trichromacy



Original Color

168, 163, 172

Protanomaly

166, 164, 172

Deuteranomaly

174, 161, 173

Tritanomaly

169, 162, 174

Monochromacy



Original Color

168, 163, 172

Achromatopsia

166, 166, 166

Achromatomaly

167, 165, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 168, 163, 172 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(168, 163, 172) looks like.

```
.text, #text, p{  
    color:rgb(168, 163, 172)  
}
```

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(168, 163, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 163, 172) }
```

Border

The CSS property to change the border of an element to RYB 168, 163, 172 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(168, 163, 172) }
```

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

```
.border{ border-color:rgb(168, 163, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 163, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 163, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 163, 172);  
box-shadow:4px 4px 4px 4px rgb(168, 163,  
172) }
```

Background

The CSS property to change the background color of an element to RYB 168, 163, 172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 163, 172) }
```

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

```
.background{ background-color: rgb(168,  
163, 172) }
```

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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