Converting Colors

RYB(168, 170, 171)

Have a look what the booklet for RYB(168, 170, 171) contains.

Color

RYB(168, 170, 171)

Conversions

Conversions Part 1

Format	Color
Hex	A8ABAA
RGB	168, 171, 170
RGB Percent	66%, 67%, 67%
CMY	0.3412, 0.3294, 0.3353
CMYK	0.02, 0.00, 0.01, 0.33
HSL	150°, 2%, 66%
HSV	150°, 2%, 67%
XYZ	37.9198, 40.3340, 43.5694
YIQ	169.9890, -1.4670, -0.9470

Conversions

Conversions Part 2

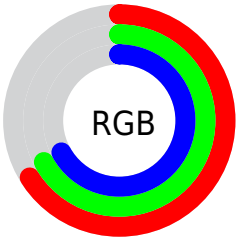
Format	Color
RYB	168, 170, 171
Decimal	11053994
CIELab	69.71, -1.34, 0.39
CIELCh	70, 1.398, 163.769
Yxy	40.3340, 0.3113, 0.3311
Android (android.graphics.Color)	4289244074 (0xFFA8ABAA)
YUV	169.9890, 0.0054, -1.7444
Hunter-Lab	63.5091, -4.5626, 3.7814

Details

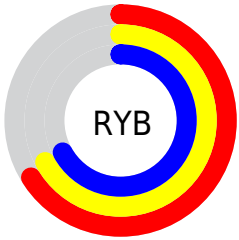
The RYB color 168, 170, 171 is a light color, and the websafe version is hex 999999. A complement of this color would be 171, 168, 170, and the grayscale version is 170, 170, 170.

A 20% lighter version of the original color is 223, 225, 226, and 116, 118, 119 is the 20% darker color. If you saturate the color by 10%, you get 151, 164, 171, and if you desaturate by 10%, it is 185, 171, 178.

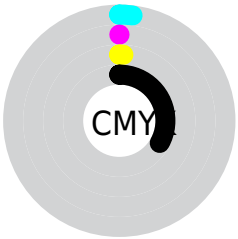
Distribution



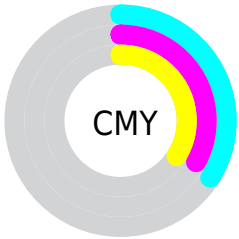
- Red (66%)
- Green (67%)
- Blue (67%)



- Red (66%)
- Yellow (67%)
- Blue (67%)



- Cyan (2%)
- Magenta (0%)
- Yellow (1%)
- Black (33%)



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

Brightness & Saturation Gradients

These gradients show how the RYB color 168, 170, 171 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, 170, 171 by changing the saturation by 10% instead.

168, 170, 171

255, 255, 255

223, 225, 226

252, 254, 255

168, 170, 171

142, 144, 145

116, 118, 119

91, 93, 94

68, 70, 71

46, 47, 48

25, 26, 27

0, 0, 0

168, 170, 171

151, 164, 171

168, 170, 171

185, 171, 178

134, 159, 171	202, 171, 187
117, 153, 171	219, 171, 195
100, 148, 171	236, 171, 204
82, 141, 171	253, 171, 212
65, 136, 171	255, 171, 221
48, 130, 171	255, 171, 229
31, 124, 171	255, 171, 238
14, 118, 171	255, 171, 246

Harmonies

Analogous

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

168, 171, 170

168, 170, 171

167, 169, 171

Triad

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

168, 170, 171

170, 170, 173

173, 170, 169

Complementary

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

168, 170, 171

171, 168, 170

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.

173, 169, 170

168, 170, 171

171, 170, 172

Square

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

168, 170, 171

168, 170, 173

172, 170, 171

172, 172, 168

Rectangle

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

168, 170, 171

167, 169, 172

172, 170, 171

173, 170, 169

Sweetspot

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

168, 170, 171

220, 221, 222

168, 171, 170

111, 112, 112

240, 240, 240

112, 112, 112

Same Dimension

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

168, 170, 171

217, 220, 222

168, 170, 171

85, 86, 87

0, 100, 150

0, 16, 23

Inverse Universe

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

171, 168, 169

222, 217, 220

171, 168, 168

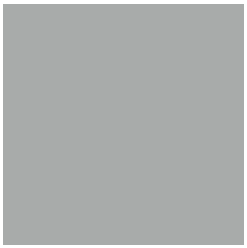
87, 85, 86

150, 0, 75

23, 0, 11

Previews

White Background

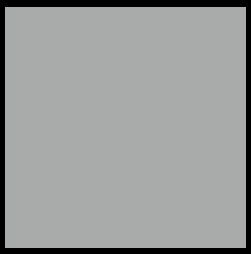


This preview shows how the RYB color 168, 170, 171 looks on a white background.

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



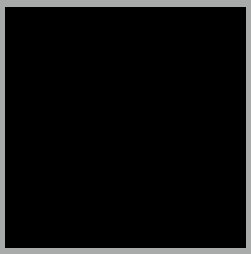
This preview shows how the RYB color 168, 170, 171 looks on a black background.

Color Contrast Check

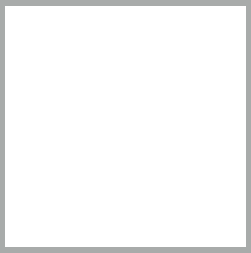
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 168, 170, 171 Background



This preview shows how black text looks on a background with the RYB color 168, 170, 171.



This preview shows how white text looks on a background with the RYB color 168, 170, 171.

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

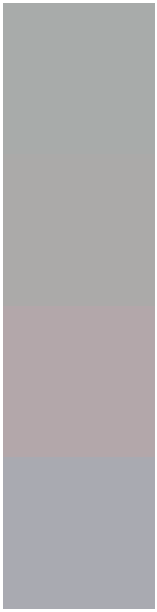
Original Color
168, 170, 171

Protanopia
173, 169, 169

Deuteranopia
186, 165, 171

Tritanopia
170, 169, 182

Trichromacy



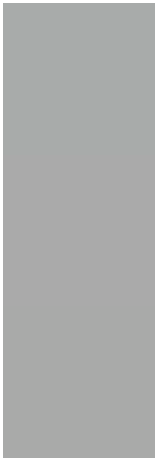
Original Color
168, 170, 171

Protanomaly
171, 171, 169

Deuteranomaly
179, 167, 170

Tritanomaly
169, 170, 177

Monochromacy



Original Color
168, 170, 171

Achromatopsia
170, 170, 170

Achromatomaly
169, 170, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 168, 170, 171 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, 171, 170) looks like.

```
.text, #text, p{
    color:rgb(168, 171, 170)
}
```

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, 171, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 171, 170) }
```

Border

The CSS property to change the border of an element to RYB 168, 170, 171 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, 171, 170) }
```

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

```
.border{ border-color:rgb(168, 171, 170) }
```

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

Here you see how a box with a 4 pixel rgb(168, 171, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 171, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 171, 170); box-shadow:4px 4px 4px 4px rgb(168, 171, 170) }
```

Background

The CSS property to change the background color of an element to RYB 168, 170, 171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(168, 171, 170) }
```

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

```
.background{ background-color:rgb(168,
171, 170) }
```

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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