

Converting Colors

`RYB(157, 168, 170)`

Have a look what the booklet for
RYB(157, 168, 170) contains.

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Color

R_YB(157, 168, 170)

Conversions

Conversions Part 1

Format	Color
Hex	9DAA9F
RGB	157, 170, 159
RGB Percent	62%, 67%, 62%
CMY	0.3843, 0.3333, 0.3750
CMYK	0.08, 0.00, 0.06, 0.33
HSL	131°, 7%, 64%
HSV	131°, 8%, 67%
XYZ	34.5690, 38.4334, 38.5630
YIQ	164.8590, -4.2170, -6.1770

Conversions

Conversions Part 2

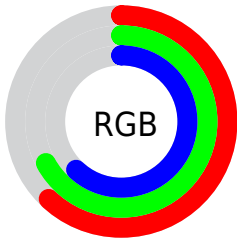
Format	Color
RYB	157, 168, 170
Decimal	10332831
CIELab	68.34, -6.62, 3.91
CIELCh	68, 7.691, 149.459
Yxy	38.4334, 0.3099, 0.3445
Android (android.graphics.Color)	4288522911 (0xFF9DAA9F)
YUV	164.8590, -2.8885, -6.8923
Hunter-Lab	61.9947, -8.9569, 6.5157

Details

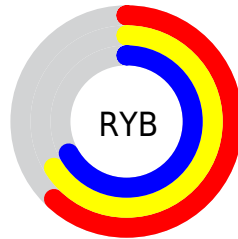
The RYB color **157, 168, 170** is a light color, and the websafe version is hex **999999**. A complement of this color would be **170, 157, 168**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **212, 223, 225**, and **106, 116, 118** is the 20% darker color. If you saturate the color by 10%, you get **140, 166, 170**, and if you desaturate by 10%, it is **174, 170, 173**.

Distribution



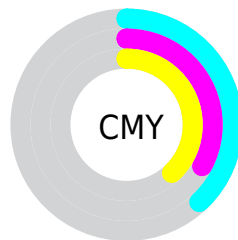
- Red (62%)
- Green (67%)
- Blue (62%)



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



- Cyan (8%)
- Magenta (0%)
- Yellow (6%)
- Black (33%)



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

Brightness & Saturation Gradients

These gradients show how the RYB color 157, 168, 170 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 157, 168, 170 by changing the saturation by 10% instead.


 157, 168, 170

255, 255, 255

 212, 223, 225

 240, 252, 254

 157, 168, 170

 131, 142, 144

 106, 116, 118


 82, 91, 93

 58, 68, 70

 37, 45, 47


 16, 25, 27

 0, 0, 0


 157, 168, 170


 140, 166, 170

 157, 168, 170


 174, 170, 173

 123, 162, 170


 191, 170, 187


 106, 160, 170


 208, 170, 201

 89, 157, 170


 225, 170, 215

 72, 155, 170


 242, 170, 229

 55, 152, 170

 255, 170, 243

 38, 150, 170

 255, 170, 255

 21, 147, 170

 4, 145, 170

Harmonies

Analogous

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



154, 168, 157



157, 168, 170



151, 162, 171

Triad

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



157, 168, 170



159, 165, 180



182, 162, 160

Complementary

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



157, 168, 170



170, 157, 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.



181, 162, 167



157, 168, 170



168, 165, 179

Square

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



157, 168, 170



153, 163, 178



176, 163, 174



179, 169, 155

Rectangle

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



157, 168, 170



150, 161, 171



176, 163, 174



182, 162, 162

Sweetspot

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



157, 168, 170



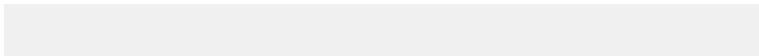
217, 221, 222



157, 170, 159



110, 112, 112



240, 240, 240



112, 112, 112

Same Dimension

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



157, 168, 170



202, 219, 222



157, 165, 170



76, 83, 84



0, 125, 148



0, 17, 20

Inverse Universe

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



170, 157, 168



222, 202, 218



170, 157, 161



84, 76, 83



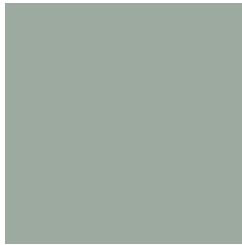
148, 0, 121



20, 0, 17

Previews

White Background



This preview shows how the RYB color 157, 168, 170 looks on a white background.

Color Contrast Check

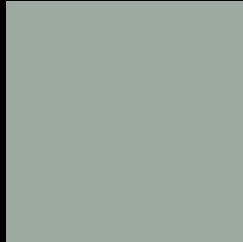
Large Text (above 18pt) WCAG AA × Fail

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 157, 168, 170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

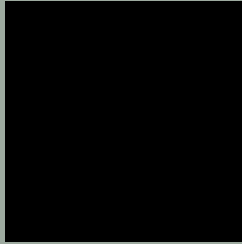
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

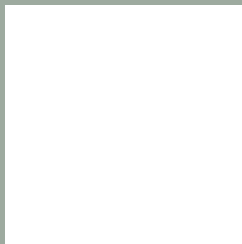
Any Text WCAG AAA ✓ Pass

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

RYB 157, 168, 170 Background



This preview shows how black text looks on a background with the RYB color 157, 168, 170.



This preview shows how white text looks on a background with the RYB color 157, 168, 170.

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](#).

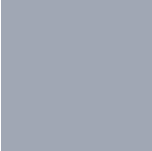
Dichromacy



Original Color
157, 168, 170

Protanopia
167, 172, 157

Deuteranopia
184, 161, 161



Tritanopia
160, 165, 180

Trichromacy



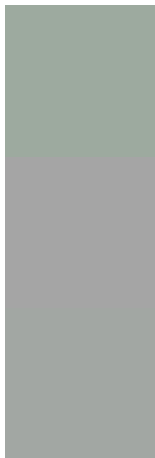
Original Color
157, 168, 170

Protanomaly
158, 167, 158

Deuteranomaly
174, 166, 160

Tritanomaly
159, 164, 172

Monochromacy



Original Color
157, 168, 170

Achromatopsia
165, 165, 165

Achromatomaly
162, 166, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 157, 168, 170 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(157, 170, 159)` looks like.

```
.text, #text, p{  
    color:rgb(157, 170, 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(157, 170, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 170, 159) }
```

Border

The CSS property to change the border of an element to RYB 157, 168, 170 is called "border". The border property can be set on classes, ids or directly on the HTML element.

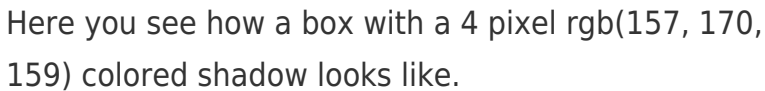
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 170, 159) }
```

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

```
.border{ border-color:rgb(157, 170, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 170, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 170, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 170, 159);  
box-shadow:4px 4px 4px 4px rgb(157, 170,  
159) }
```

Background

The CSS property to change the background color of an element to RYB 157, 168, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 170, 159) }
```

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

```
.background{ background-color: rgb(157,  
170, 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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