

# Converting Colors

`RYB(157, 172, 181)`

Have a look what the booklet for  
RYB(157, 172, 181) contains.

<b>RYB(157, 172, 181)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**R<sub>Y</sub>B(157, 172, 181)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DB5AB
RGB	157, 181, 171
RGB Percent	62%, 71%, 67%
CMY	0.3843, 0.2902, 0.3278
CMYK	0.13, 0.00, 0.05, 0.29
HSL	156°, 14%, 66%
HSV	156°, 13%, 71%
XYZ	37.8174, 43.1714, 45.0680
YIQ	172.6840, -11.0940, -8.1980

# Conversions

## Conversions Part 2

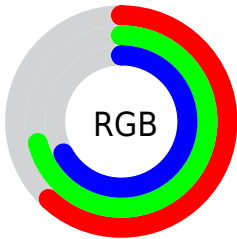
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 172, 181
Decimal	10335659
CIELab	71.67, -10.14, 2.11
CIELCh	72, 10.358, 168.264
Yxy	43.1714, 0.3000, 0.3425
Android (android.graphics.Color)	4288525739 (0xFF9DB5AB)
YUV	172.6840, -0.8302, -13.7549
Hunter-Lab	65.7049, -12.2455, 5.3256

# Details

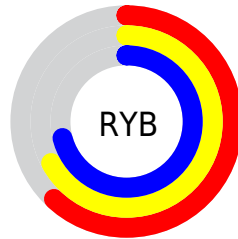
The RYB color **157, 172, 181** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **181, 157, 167**, and the grayscale version is **173, 173, 173**.

A 20% lighter version of the original color is **212, 228, 237**, and **105, 119, 128** is the 20% darker color. If you saturate the color by 10%, you get **139, 165, 181**, and if you desaturate by 10%, it is **175, 179, 181**.

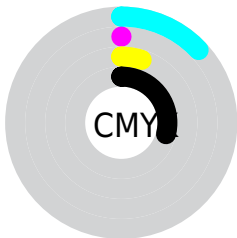
# Distribution



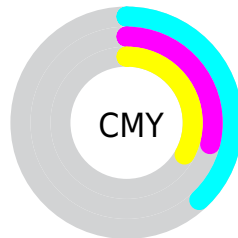
- Red (62%)
- Green (71%)
- Blue (67%)



- Red (62%)
- Yellow (67%)
- Blue (71%)



- Cyan (13%)
- Magenta (0%)
- Yellow (5%)
- Black (29%)



- Cyan (38%)
- Magenta (29%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 157, 172, 181 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, 172, 181 by changing the saturation by 10% instead.




 157, 172, 181

255, 255, 255


 212, 228, 237

 240, 248, 255

 157, 172, 181

 131, 145, 154


 105, 119, 128

 81, 94, 103


 58, 71, 79


 36, 48, 56

 15, 27, 35

 0, 10, 11


 0, 0, 0


 157, 172, 181

 157, 172, 181


 139, 165, 181


 175, 179, 181


 121, 159, 181


 193, 181, 186

 103, 152, 181


 211, 181, 193

 85, 145, 181


 229, 181, 200


 67, 138, 181


 248, 181, 208


 48, 131, 181


 255, 181, 215


 30, 124, 181

 255, 181, 222

 12, 118, 181

 255, 181, 229

 0, 113, 181

 255, 181, 237

# Harmonies

## Analogous

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



163, 179, 176



157, 172, 181



152, 167, 181

# Triad

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



157, 172, 181



173, 174, 193



194, 175, 162

# Complementary

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



157, 172, 181



181, 157, 167

# 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.



196, 169, 170



157, 172, 181



184, 171, 188

# Square

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



157, 172, 181



162, 173, 194



193, 170, 180



180, 187, 157

# Rectangle

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



157, 172, 181



153, 168, 187



193, 170, 180



195, 171, 164



# Sweetspot

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



157, 172, 181



225, 231, 235



157, 181, 171



111, 115, 117



245, 245, 245



117, 117, 117



# Same Dimension

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



157, 172, 181



197, 221, 235



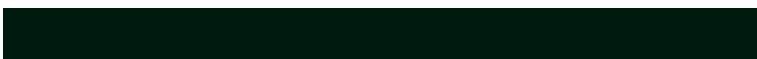
157, 168, 181



80, 85, 89



0, 96, 153



0, 16, 26



# Inverse Universe

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



181, 157, 167



235, 197, 212



181, 159, 157



89, 80, 84



153, 0, 61



26, 0, 10



# Previews

## White Background



This preview shows how the RYB color 157, 172, 181 looks on a white background.

## Color Contrast Check

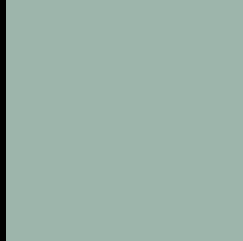
Large Text (above 18pt) WCAG AA × Fail

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, 172, 181 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, 172, 181 Background**



This preview shows how black text looks on a background with the RYB color 157, 172, 181.



This preview shows how white text looks on a background with the RYB color 157, 172, 181.

# 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](#).

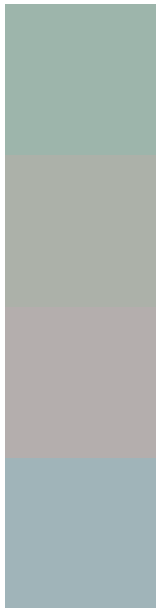
## Dichromacy





**Tritanopia**  
161, 172, 192

# Trichromacy



**Original Color**  
157, 172, 181

**Protanomaly**  
169, 177, 174

**Deuteranomaly**  
180, 174, 173

**Tritanomaly**  
160, 171, 185

# Monochromacy



**Original Color**  
157, 172, 181

**Achromatopsia**  
173, 173, 173

**Achromatomaly**  
167, 173, 176

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 157, 172, 181 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, 181, 171) looks like.

```
.text, #text, p{  
    color:rgb(157, 181, 171)  
}
```

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, 181, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 181, 171) }
```

## Border

The CSS property to change the border of an element to RYB 157, 172, 181 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, 181, 171) }
```

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

```
.border{ border-color:rgb(157, 181, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 181, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 181, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 181, 171);  
box-shadow:4px 4px 4px 4px rgb(157, 181,  
171) }
```

# Background

The CSS property to change the background color of an element to RYB 157, 172, 181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 181, 171) }
```

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

```
.background{ background-color: rgb(157,  
181, 171) }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor