

Converting Colors

`RYB(158, 178, 150)`

Have a look what the booklet for
RYB(158, 178, 150) contains.

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Color

R_YB(158, 178, 150)

Conversions

Conversions Part 1

Format	Color
Hex	B2AC96
RGB	178, 172, 150
RGB Percent	70%, 67%, 59%
CMY	0.3020, 0.3264, 0.4118
CMYK	0.00, 0.03, 0.16, 0.30
HSL	47°, 15%, 64%
HSV	47°, 16%, 70%
XYZ	38.5754, 41.0875, 34.7517
YIQ	171.2860, 10.6380, -5.5700

Conversions

Conversions Part 2

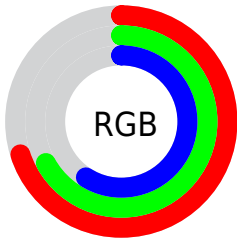
Format	Color
RYB	158, 178, 150
Decimal	11709590
CIELab	70.24, -1.52, 12.01
CIELCh	70, 12.102, 97.215
Yxy	41.0875, 0.3372, 0.3591
Android (android.graphics.Color)	4289899670 (0xFFB2AC96)
YUV	171.2860, -10.4940, 5.8882
Hunter-Lab	64.0995, -4.7521, 12.7255

Details

The RYB color **158, 178, 150** is a light color, and the websafe version is hex **999999**. A complement of this color would be **150, 155, 178**, and the grayscale version is **171, 171, 171**.

A 20% lighter version of the original color is **213, 234, 204**, and **105, 125, 99** is the 20% darker color. If you saturate the color by 10%, you get **145, 178, 132**, and if you desaturate by 10%, it is **171, 178, 168**.

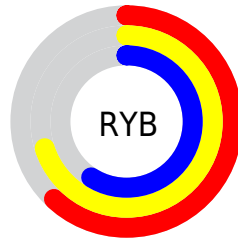
Distribution



Red (70%)

Green (67%)

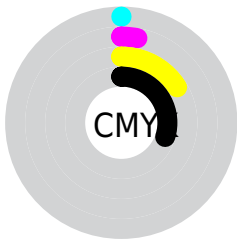
Blue (59%)



Red (62%)

Yellow (70%)

Blue (59%)

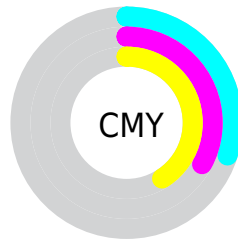


Cyan (0%)

Magenta (3%)

Yellow (16%)

Black (30%)



Cyan (30%)

Magenta (33%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 178, 150 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 158, 178, 150 by changing the saturation by 10% instead.


 158, 178, 150

255, 255, 255


 213, 234, 204

 232, 255, 232

 158, 178, 150


 132, 151, 124

 105, 125, 99

 81, 100, 75

 59, 76, 53

 36, 53, 31

 13, 32, 8

 0, 2, 2

 0, 0, 0

 158, 178, 150

 158, 178, 150

■ 145, 178, 132

■ 171, 178, 168

■ 132, 178, 114

■ 178, 180, 186

■ 120, 178, 97

■ 178, 183, 203

■ 107, 178, 79

■ 178, 186, 221

■ 94, 178, 61

■ 178, 189, 239

■ 82, 178, 43

■ 178, 193, 255

■ 69, 178, 25

■ 178, 195, 255

■ 57, 178, 8

■ 178, 197, 255

■ 52, 178, 0

■ 178, 199, 255

Harmonies

Analogous

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



189, 180, 152



158, 178, 150



154, 175, 164

Triad

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



158, 178, 150



144, 163, 185



189, 165, 180

Complementary

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



158, 178, 150



150, 155, 178

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.



177, 168, 189



158, 178, 150



151, 166, 192

Square

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



158, 178, 150



145, 163, 178



163, 170, 193



195, 164, 169

Rectangle

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



158, 178, 150



157, 174, 177



163, 170, 193



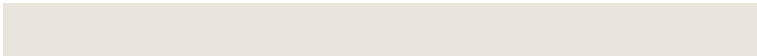
185, 166, 184

Sweetspot

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



158, 178, 150



224, 232, 220



178, 150, 157



111, 117, 110



245, 245, 245



117, 117, 117

Same Dimension

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



158, 178, 150



201, 232, 188



150, 178, 157



83, 89, 80



44, 153, 0



8, 26, 0

Inverse Universe

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



150, 155, 178



188, 196, 232



157, 150, 178



80, 82, 89



0, 28, 153



0, 5, 26

Previews

White Background



This preview shows how the RYB color 158, 178, 150 looks on a white background.

Color Contrast Check

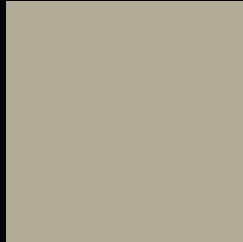
Large Text (above 18pt) WCAG AA × Fail

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 158, 178, 150 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 158, 178, 150 Background



This preview shows how black text looks on a background with the RYB color 158, 178, 150.



This preview shows how white text looks on a background with the RYB color 158, 178, 150.

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
158, 178, 150

Protanopia
163, 180, 150

Deuteranopia
196, 171, 151



Tritanopia
182, 167, 181

Trichromacy



Original Color

158, 178, 150

Protanomaly

161, 179, 150

Deuteranomaly

189, 179, 151

Tritanomaly

181, 169, 170

Monochromacy



Original Color

158, 178, 150

Achromatopsia

171, 171, 171

Achromatomaly

167, 174, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 178, 150 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(178, 172, 150) looks like.

```
.text, #text, p{  
    color:rgb(178, 172, 150)  
}
```

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(178, 172, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 172, 150) }
```

Border

The CSS property to change the border of an element to RYB 158, 178, 150 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(178, 172, 150) }
```

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

```
.border{ border-color:rgb(178, 172, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 172, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 172, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 172, 150);  
box-shadow:4px 4px 4px 4px rgb(178, 172,  
150) }
```

Background

The CSS property to change the background color of an element to RYB 158, 178, 150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 172, 150) }
```

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

```
.background{ background-color: rgb(178,  
172, 150) }
```

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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