

# Converting Colors

`RYB(158, 194, 142)`

Have a look what the booklet for  
RYB(158, 194, 142) contains.

<b>RYB(158, 194, 142)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**R<sub>Y</sub>B(158, 194, 142)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2B68E
RGB	194, 182, 142
RGB Percent	76%, 71%, 56%
CMY	0.2392, 0.2872, 0.4431
CMYK	0.00, 0.06, 0.27, 0.24
HSL	46°, 30%, 66%
HSV	46°, 27%, 76%
XYZ	43.8104, 46.7819, 32.3119
YIQ	181.0280, 19.9920, -9.8960

# Conversions

## Conversions Part 2

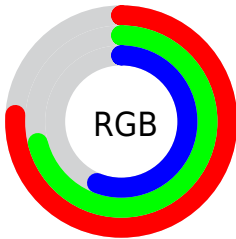
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 194, 142
Decimal	12760718
CIELab	74.05, -1.91, 21.86
CIELCh	74, 21.940, 95.004
Yxy	46.7819, 0.3565, 0.3806
Android (android.graphics.Color)	4290950798 (0xFFC2B68E)
YUV	181.0280, -19.2408, 11.3764
Hunter-Lab	68.3973, -5.3610, 19.8686

# Details

The RYB color **158, 194, 142** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **142, 152, 194**, and the grayscale version is **181, 181, 181**.

A 20% lighter version of the original color is **213, 251, 196**, and **105, 140, 91** is the 20% darker color. If you saturate the color by 10%, you get **145, 194, 123**, and if you desaturate by 10%, it is **172, 194, 161**.

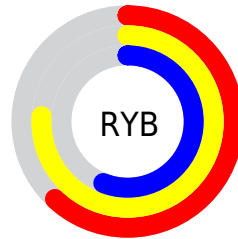
# Distribution



Red (76%)

Green (71%)

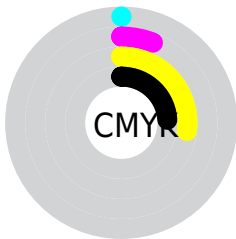
Blue (56%)



Red (62%)

Yellow (76%)

Blue (56%)

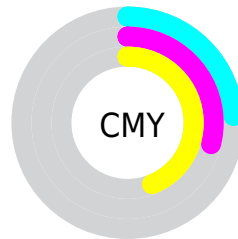


Cyan (0%)

Magenta (6%)

Yellow (27%)

Black (24%)



Cyan (24%)

Magenta (29%)

Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 158, 194, 142 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, 194, 142 by changing the saturation by 10% instead.



 158, 194, 142


255, 255, 255

 213, 251, 196


 224, 255, 224

253, 255, 253

 158, 194, 142

 132, 167, 116

 105, 140, 91

 81, 114, 68

 56, 89, 45


 33, 65, 23

 8, 43, 0


 2, 17, 0


 0, 0, 0

 158, 194, 142


 158, 194, 142

 145, 194, 123


 172, 194, 161


 130, 194, 103


 185, 194, 181

 118, 194, 84

 194, 195, 200

 103, 194, 64


 194, 199, 220

 91, 194, 45


 194, 203, 239

 79, 194, 26

 194, 206, 255

 63, 194, 6

 194, 209, 255

 60, 194, 0

 194, 211, 255

 194, 214, 255

# Harmonies

## Analogous

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



212, 198, 146



158, 194, 142



149, 188, 165

# Triad

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



158, 194, 142



126, 162, 204



211, 170, 199

# Complementary

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



158, 194, 142



142, 152, 194

# 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.



190, 176, 215



158, 194, 142



139, 170, 218

# Square

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



158, 194, 142



131, 165, 194



163, 178, 222



223, 168, 179

# Rectangle

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



158, 194, 142



156, 189, 191



163, 178, 222



205, 172, 205



# Sweetspot

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



158, 194, 142



237, 252, 232



194, 142, 155



119, 128, 115



0, 0, 0



128, 128, 128

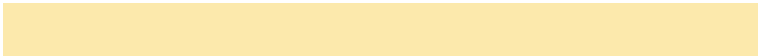


# Same Dimension

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



158, 194, 142



197, 252, 172



142, 194, 155



90, 97, 87



50, 161, 0



11, 33, 0



# Inverse Universe

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



142, 152, 194



172, 187, 252



155, 142, 194



87, 89, 97



0, 31, 161



0, 6, 33



# Previews

## White Background



This preview shows how the RYB color 158, 194, 142 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, 194, 142 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

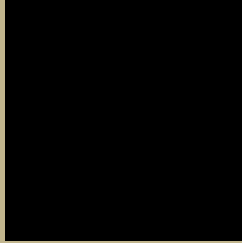
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 158, 194, 142 Background**



This preview shows how black text looks on a background with the RYB color 158, 194, 142.



This preview shows how white text looks on a background with the RYB color 158, 194, 142.

# 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, 194, 142

### Protanopia

158, 194, 142

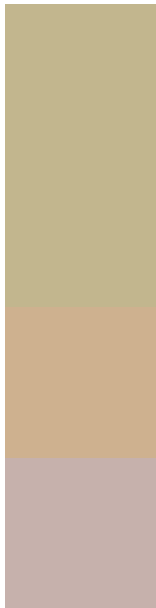
### Deuteranopia

213, 202, 143



**Tritanopia**  
200, 175, 189

# Trichromacy



**Original Color**

158, 194, 142

**Protanomaly**

158, 194, 142

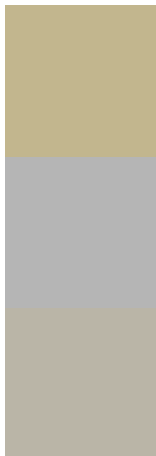
**Deuteranomaly**

197, 206, 143

**Tritanomaly**

198, 178, 172

# Monochromacy



**Original Color**

158, 194, 142

**Achromatopsia**

181, 181, 181

**Achromatomaly**

174, 186, 167

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 158, 194, 142 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(194, 182, 142) looks like.

```
.text, #text, p{  
    color:rgb(194, 182, 142)  
}
```

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(194, 182, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 182, 142) }
```

## Border

The CSS property to change the border of an element to RYB 158, 194, 142 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(194, 182, 142) }
```

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

```
.border{ border-color:rgb(194, 182, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 182, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 182, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 182, 142);  
box-shadow:4px 4px 4px 4px rgb(194, 182,  
142) }
```

# Background

The CSS property to change the background color of an element to RYB 158, 194, 142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 182, 142) }
```

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

```
.background{ background-color: rgb(194,  
182, 142) }
```

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