

# Converting Colors

`RYB(153, 198, 135)`

Have a look what the booklet for  
RYB(153, 198, 135) contains.

<b>RYB(153, 198, 135)</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(153, 198, 135)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6B887
RGB	198, 184, 135
RGB Percent	78%, 72%, 53%
CMY	0.2235, 0.2784, 0.4706
CMYK	0.00, 0.07, 0.32, 0.22
HSL	47°, 36%, 65%
HSV	47°, 32%, 78%
XYZ	44.8024, 48.0360, 29.8322
YIQ	182.6000, 24.0730, -12.2710

# Conversions

## Conversions Part 2

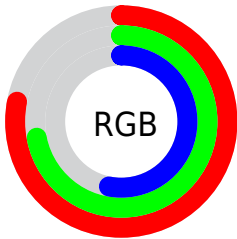
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 198, 135
Decimal	13023367
CIELab	74.85, -2.46, 26.74
CIELCh	75, 26.848, 95.253
Yxy	48.0360, 0.3652, 0.3916
Android (android.graphics.Color)	4291213447 (0xFFC6B887)
YUV	182.6000, -23.4668, 13.5058
Hunter-Lab	69.3080, -5.9024, 22.9955

# Details

The RYB color **153, 198, 135** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **135, 146, 198**, and the grayscale version is **183, 183, 183**.

A 20% lighter version of the original color is **208, 255, 189**, and **100, 143, 85** is the 20% darker color. If you saturate the color by 10%, you get **138, 198, 115**, and if you desaturate by 10%, it is **168, 198, 155**.

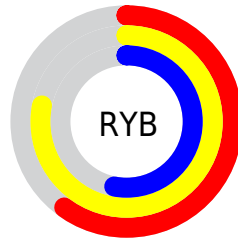
# Distribution



Red (78%)

Green (72%)

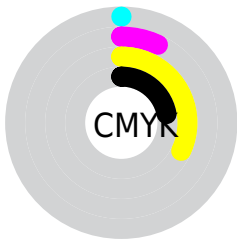
Blue (53%)



Red (60%)

Yellow (78%)

Blue (53%)

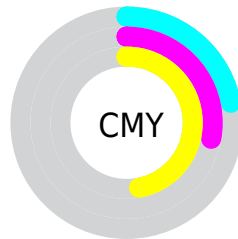


Cyan (0%)

Magenta (7%)

Yellow (32%)

Black (22%)



Cyan (22%)

Magenta (28%)

Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 153, 198, 135 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 153, 198, 135 by changing the saturation by 10% instead.




 153, 198, 135


255, 255, 255

 208, 255, 189


 216, 255, 216

 245, 255, 245

 153, 198, 135


 126, 170, 109

 100, 143, 85

 75, 117, 61

 50, 92, 38


 25, 67, 16

 10, 45, 0

 2, 19, 0


 0, 0, 0


 153, 198, 135


 153, 198, 135

 138, 198, 115

 168, 198, 155

 125, 198, 95

 181, 198, 175

 111, 198, 76

 195, 198, 194

 97, 198, 56

 198, 201, 214

 82, 198, 36

 198, 205, 234

 67, 198, 16

 198, 208, 254

 57, 198, 0

 198, 211, 255

 198, 213, 255

 198, 216, 255

# Harmonies

## Analogous

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



220, 205, 140



153, 198, 135



143, 191, 163

# Triad

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



153, 198, 135



111, 157, 212



220, 169, 205

# Complementary

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



153, 198, 135



135, 146, 198

# 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.



194, 176, 225



153, 198, 135



128, 167, 228

# Square

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



153, 198, 135



119, 161, 198



160, 179, 233



233, 166, 181

# Rectangle

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



153, 198, 135



152, 192, 195



160, 179, 233



212, 171, 213



# Sweetspot

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



153, 198, 135



238, 255, 230



198, 135, 150



117, 128, 112



0, 0, 0



128, 128, 128



# Same Dimension

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



153, 198, 135



186, 255, 158



135, 198, 152



93, 99, 90



46, 163, 0



10, 36, 0



# Inverse Universe

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



135, 146, 198



158, 176, 255



152, 135, 198



90, 92, 99



0, 29, 163



0, 7, 36



# Previews

## White Background



This preview shows how the RYB color 153, 198, 135 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 153, 198, 135 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

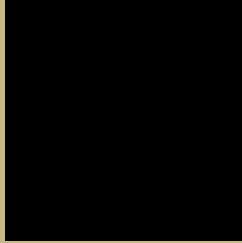
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 153, 198, 135 Background**



This preview shows how black text looks on a background with the RYB color 153, 198, 135.



This preview shows how white text looks on a background with the RYB color 153, 198, 135.

# 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**  
153, 198, 135

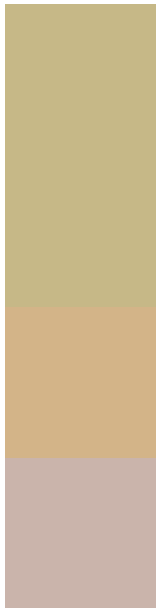
**Protanopia**  
153, 198, 135

**Deuteranopia**  
218, 216, 137



**Tritanopia**  
204, 177, 191

# Trichromacy



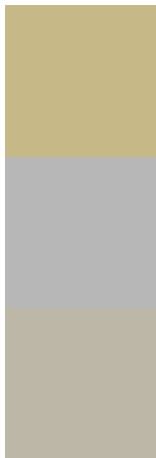
**Original Color**  
153, 198, 135

**Protanomaly**  
153, 198, 135

**Deuteranomaly**  
189, 211, 136

**Tritanomaly**  
202, 184, 171

# Monochromacy



**Original Color**  
153, 198, 135

**Achromatopsia**  
183, 183, 183

**Achromatomaly**  
172, 188, 166

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 153, 198, 135 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(198, 184, 135) looks like.

```
.text, #text, p{  
    color:rgb(198, 184, 135)  
}
```

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(198, 184, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 184, 135) }
```

## Border

The CSS property to change the border of an element to RYB 153, 198, 135 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(198, 184, 135) }
```

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

```
.border{ border-color:rgb(198, 184, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 184, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 184, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 184, 135);  
box-shadow:4px 4px 4px 4px rgb(198, 184,  
135) }
```

# Background

The CSS property to change the background color of an element to RYB 153, 198, 135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 184, 135) }
```

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

```
.background{ background-color: rgb(198,  
184, 135) }
```

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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