

# Converting Colors

`RYB(176, 212, 170)`

Have a look what the booklet for  
RYB(176, 212, 170) contains.

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# Color

**R<sub>Y</sub>B(176, 212, 170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4CFAA
RGB	212, 207, 170
RGB Percent	83%, 81%, 67%
CMY	0.1686, 0.1892, 0.3333
CMYK	0.00, 0.02, 0.20, 0.17
HSL	52°, 33%, 75%
HSV	52°, 20%, 83%
XYZ	56.6594, 61.4039, 46.8961
YIQ	204.2770, 14.8570, -10.4470

# Conversions

## Conversions Part 2

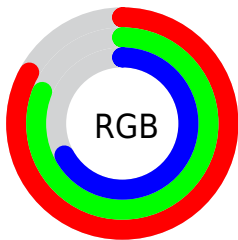
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">176, 212, 170</a>
Decimal	<a href="#">13946794</a>
CIELab	<a href="#">82.60, -4.17, 18.95</a>
CIELCh	<a href="#">83, 19.408, 102.423</a>
Yxy	<a href="#">61.4039, 0.3435, 0.3722</a>
Android (android.graphics.Color)	<a href="#">4292136874 (0xFFD4CFAA)</a>
YUV	<a href="#">204.2770, -16.8986, 6.7731</a>
Hunter-Lab	<a href="#">78.3607, -8.0651, 19.3695</a>

# Details

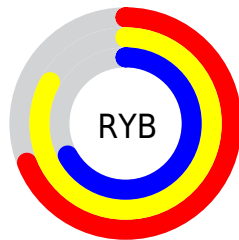
The RYB color **176, 212, 170** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **170, 174, 212**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **225, 255, 225**, and **122, 157, 118** is the 20% darker color. If you saturate the color by 10%, you get **158, 212, 149**, and if you desaturate by 10%, it is **195, 212, 191**.

# Distribution



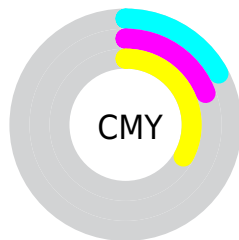
- Red (83%)
- Green (81%)
- Blue (67%)



- Red (69%)
- Yellow (83%)
- Blue (67%)



- Cyan (0%)
- Magenta (2%)
- Yellow (20%)
- Black (17%)



- Cyan (17%)
- Magenta (19%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 176, 212, 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 176, 212, 170 by changing the saturation by 10% instead.



 176, 212, 170


255, 255, 255

 225, 255, 225

254, 255, 254

 176, 212, 170

 149, 184, 143

 122, 157, 118

 97, 131, 93

 72, 105, 69

 49, 81, 46

 27, 57, 25

 2, 36, 0

 0, 12, 8


 0, 0, 0

 176, 212, 170

 176, 212, 170

 158, 212, 149


 195, 212, 191

 141, 212, 128

 212, 212, 212

 121, 212, 106

 212, 215, 234

 103, 212, 85

 212, 216, 255

 84, 212, 64


 212, 219, 255

 67, 212, 43


 212, 221, 255

 49, 212, 22

 212, 222, 255

 30, 212, 0

 212, 224, 255

 31, 212, 0

 212, 225, 255

# Harmonies

## Analogous

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



228, 230, 171



176, 212, 170



178, 212, 199

# Triad

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



176, 212, 170



159, 190, 229



236, 194, 217

# Complementary

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



176, 212, 170



170, 174, 212

# 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.



218, 198, 233



176, 212, 170



173, 197, 240

# Square

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



176, 212, 170



159, 188, 216



195, 203, 241



244, 193, 198

# Rectangle

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



176, 212, 170



178, 206, 214



195, 203, 241



231, 195, 223



# Sweetspot

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



176, 212, 170



242, 255, 240



212, 170, 176



122, 128, 119



0, 0, 0



128, 128, 128



# Same Dimension

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



176, 212, 170



203, 255, 194



170, 212, 185



97, 107, 96



25, 171, 0



6, 43, 0



# Inverse Universe

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



170, 174, 212



194, 200, 255



185, 170, 212



96, 98, 107



0, 19, 171

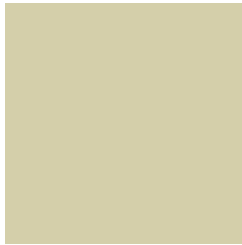


0, 4, 43



# Previews

## White Background



This preview shows how the RYB color 176, 212, 170 looks on a white background.

## Color Contrast Check

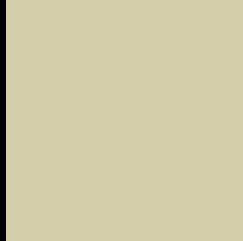
Large Text (above 18pt) WCAG AA × Fail

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 176, 212, 170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

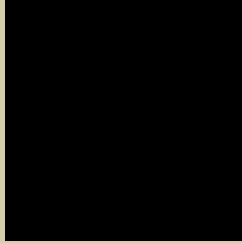
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

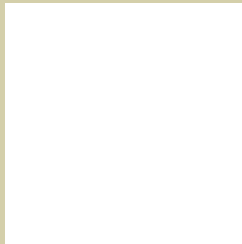
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 176, 212, 170 Background**



This preview shows how black text looks on a background with the RYB color 176, 212, 170.



This preview shows how white text looks on a background with the RYB color 176, 212, 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**  
176, 212, 170

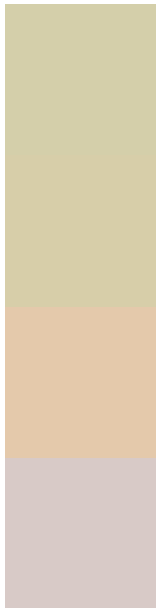
**Protanopia**  
185, 217, 169

**Deuteranopia**  
237, 215, 172



**Tritanopia**  
218, 200, 216

# Trichromacy



**Original Color**

176, 212, 170

**Protanomaly**

180, 215, 169

**Deuteranomaly**

222, 228, 171

**Tritanomaly**

216, 203, 199

# Monochromacy



**Original Color**

176, 212, 170

**Achromatopsia**

204, 204, 204

**Achromatomaly**

194, 207, 192

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 176, 212, 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(212, 207, 170)` looks like.

```
.text, #text, p{  
    color:rgb(212, 207, 170)  
}
```

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(212, 207, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 207, 170) }
```

## Border

The CSS property to change the border of an element to RYB 176, 212, 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(212, 207, 170) }
```

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

```
.border{ border-color:rgb(212, 207, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 207, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 207, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 207, 170);  
box-shadow:4px 4px 4px 4px rgb(212, 207,  
170) }
```

# Background

The CSS property to change the background color of an element to RYB 176, 212, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 207, 170) }
```

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

```
.background{ background-color: rgb(212,  
207, 170) }
```

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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