

Converting Colors

`RYB(196, 205, 170)`

Have a look what the booklet for
RYB(196, 205, 170) contains.

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Color

R_YB(196, 205, 170)

Conversions

Conversions Part 1

Format	Color
Hex	CDBEAA
RGB	205, 190, 170
RGB Percent	80%, 75%, 67%
CMY	0.1961, 0.2546, 0.3333
CMYK	0.00, 0.07, 0.17, 0.20
HSL	34°, 26%, 74%
HSV	34°, 17%, 80%
XYZ	50.8638, 52.7438, 45.5300
YIQ	192.2050, 15.3600, -3.0400

Conversions

Conversions Part 2

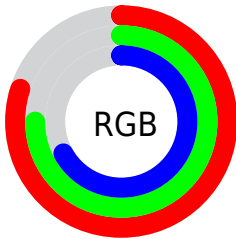
Format	Color
RYB	196, 205, 170
Decimal	13483690
CIELab	77.72, 1.96, 12.03
CIElCh	78, 12.193, 80.761
Yxy	52.7438, 0.3411, 0.3537
Android (android.graphics.Color)	4291673770 (0xFFCDBEAA)
YUV	192.2050, -10.9471, 11.2212
Hunter-Lab	72.6250, -2.0791, 13.6674

Details

The RYB color **196, 205, 170** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **170, 181, 205**, and the grayscale version is **192, 192, 192**.

A 20% lighter version of the original color is **238, 255, 225**, and **142, 151, 118** is the 20% darker color. If you saturate the color by 10%, you get **193, 205, 150**, and if you desaturate by 10%, it is **202, 205, 191**.

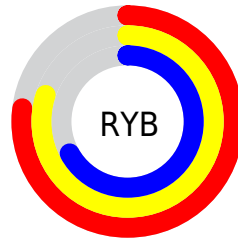
Distribution



Red (80%)

Green (75%)

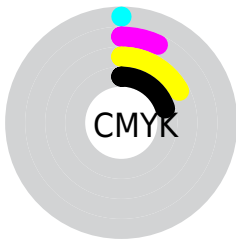
Blue (67%)



Red (77%)

Yellow (80%)

Blue (67%)

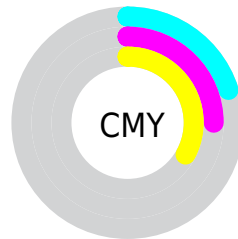


Cyan (0%)

Magenta (7%)

Yellow (17%)

Black (20%)



Cyan (20%)

Magenta (25%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 196, 205, 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 196, 205, 170 by changing the saturation by 10% instead.

 196, 205, 170

255, 255, 255

 238, 255, 225

254, 255, 254

 196, 205, 170


 168, 177, 144

 142, 151, 118

 115, 124, 93

 90, 99, 70

 65, 75, 47

 42, 52, 26

 17, 32, 0

 0, 0, 0

 196, 205, 170

 196, 205, 170

193, 205, 150

202, 205, 191

184, 205, 129

205, 207, 211

181, 205, 109

205, 213, 232

175, 205, 88

205, 219, 252

172, 205, 68

205, 223, 255

163, 205, 47

205, 227, 255

160, 205, 27

205, 229, 255

154, 205, 6

205, 230, 255

151, 205, 0

Harmonies

Analogous

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



214, 192, 175



196, 205, 170



171, 194, 172

Triad

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



196, 205, 170



164, 182, 200



204, 187, 206

Complementary

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



196, 205, 170



170, 181, 205

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, 190, 213



196, 205, 170



166, 184, 209

Square

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



196, 205, 170



169, 187, 199



176, 188, 214



213, 185, 196

Rectangle

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



196, 205, 170



175, 196, 187



176, 188, 214



199, 188, 209

Sweetspot

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



196, 205, 170



250, 255, 242



205, 170, 185



128, 128, 120



0, 0, 0



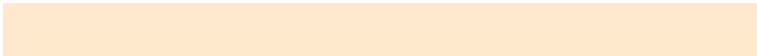
128, 128, 128

Same Dimension

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



196, 205, 170



243, 255, 204



170, 205, 172



99, 102, 92



124, 166, 0



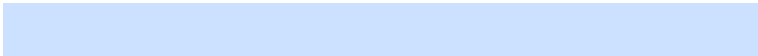
28, 38, 0

Inverse Universe

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



170, 181, 205



204, 219, 255



172, 170, 205



92, 95, 102



0, 50, 166



0, 11, 38

Previews

White Background



This preview shows how the RYB color 196, 205, 170 looks on a white background.

Color Contrast Check

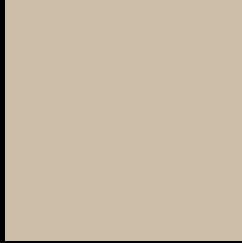
Large Text (above 18pt) WCAG AA × Fail

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 196, 205, 170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

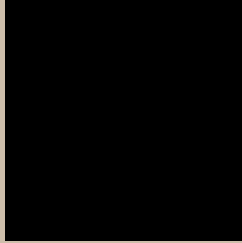
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

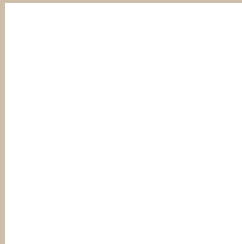
Any Text WCAG AAA ✓ Pass

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

RYB 196, 205, 170 Background



This preview shows how black text looks on a background with the RYB color 196, 205, 170.



This preview shows how white text looks on a background with the RYB color 196, 205, 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
196, 205, 170

Protanopia
184, 201, 171

Deuteranopia
218, 191, 171



Tritanopia
209, 186, 200

Trichromacy



Original Color

196, 205, 170

Protanomaly

188, 202, 171

Deuteranomaly

213, 197, 171

Tritanomaly

208, 187, 189

Monochromacy



Original Color

196, 205, 170

Achromatopsia

192, 192, 192

Achromatomaly

195, 197, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 196, 205, 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(205, 190, 170) looks like.

```
.text, #text, p{  
    color:rgb(205, 190, 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(205, 190, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 190, 170) }
```

Border

The CSS property to change the border of an element to RYB 196, 205, 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(205, 190, 170) }
```

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

```
.border{ border-color:rgb(205, 190, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 190, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 190, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 190, 170);  
box-shadow:4px 4px 4px 4px rgb(205, 190,  
170) }
```

Background

The CSS property to change the background color of an element to RYB 196, 205, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 190, 170) }
```

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

```
.background{ background-color: rgb(205,  
190, 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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