

Converting Colors

`RYB(216, 216, 176)`

Have a look what the booklet for
RYB(216, 216, 176) contains.

RYB(216, 216, 176)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(216, 216, 176)

Conversions

Conversions Part 1

Format	Color
Hex	D8C4B0
RGB	216, 196, 176
RGB Percent	85%, 77%, 69%
CMY	0.1529, 0.2314, 0.3098
CMYK	0.00, 0.09, 0.19, 0.15
HSL	30°, 34%, 77%
HSV	30°, 19%, 85%
XYZ	55.8953, 57.2134, 49.1716
YIQ	199.7000, 18.3400, -1.9800

Conversions

Conversions Part 2

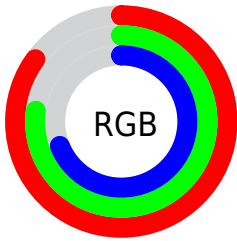
Format	Color
RYB	216, 216, 176
Decimal	14206128
CIELab	80.30, 3.82, 12.59
CIElCh	80, 13.157, 73.117
Yxy	57.2134, 0.3444, 0.3526
Android (android.graphics.Color)	4292396208 (0xFFD8C4B0)
YUV	199.7000, -11.6841, 14.2951
Hunter-Lab	75.6395, -0.4631, 14.4045

Details

The RYB color **216, 216, 176** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **176, 189, 216**, and the grayscale version is **200, 200, 200**.

A 20% lighter version of the original color is **234, 255, 232**, and **161, 161, 123** is the 20% darker color. If you saturate the color by 10%, you get **216, 216, 154**, and if you desaturate by 10%, it is **216, 216, 198**.

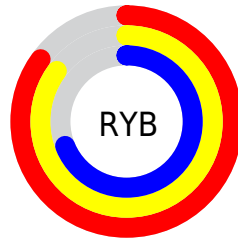
Distribution



Red (85%)

Green (77%)

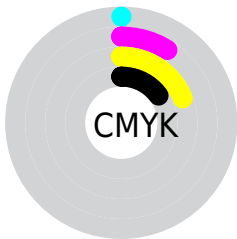
Blue (69%)



Red (85%)

Yellow (85%)

Blue (69%)

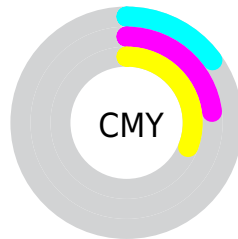


Cyan (0%)

Magenta (9%)

Yellow (19%)

Black (15%)



Cyan (15%)

Magenta (23%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 216, 216, 176 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 216, 216, 176 by changing the saturation by 10% instead.


 216, 216, 176

255, 255, 255

 234, 255, 232

 216, 216, 176

 186, 188, 149

 161, 161, 123

 132, 134, 99

 109, 109, 75

 80, 84, 52

 58, 60, 31

 29, 39, 7

 12, 0, 0

 0, 0, 0

 216, 216, 176

 216, 216, 176

 216, 216, 154

 216, 216, 198

 216, 214, 133

 216, 217, 219

 214, 216, 111

 216, 224, 241

 216, 216, 90

 216, 230, 255


 216, 216, 68

 216, 234, 255

 216, 216, 46

 216, 236, 255

 216, 214, 25

 214, 216, 3

 216, 216, 0

Harmonies

Analogous

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



224, 196, 183



216, 216, 176



180, 204, 175

Triad

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



216, 216, 176



169, 189, 207



208, 194, 217

Complementary

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



216, 216, 176



176, 189, 216

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.



193, 197, 223



216, 216, 176



170, 190, 215

Square

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



216, 216, 176



177, 196, 206



178, 194, 222



220, 192, 207

Rectangle

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



216, 216, 176



178, 203, 187



178, 194, 222



203, 196, 220

Sweetspot

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



216, 216, 176



255, 253, 240



216, 176, 196



128, 126, 119



0, 0, 0



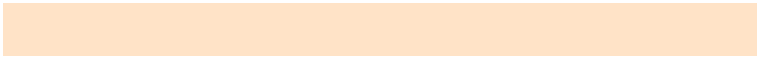
128, 128, 128

Same Dimension

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



216, 216, 176



255, 255, 199



176, 216, 176



105, 107, 96



171, 169, 0



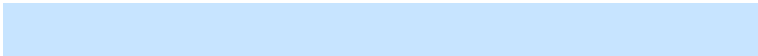
41, 43, 0

Inverse Universe

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



176, 189, 216



199, 218, 255



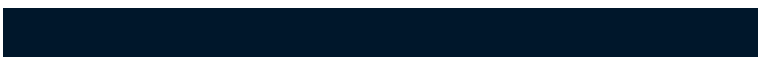
176, 176, 216



96, 100, 107



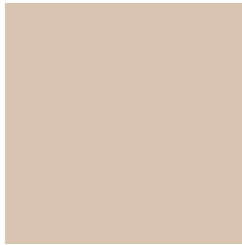
0, 57, 171



0, 15, 43

Previews

White Background



This preview shows how the RYB color 216, 216, 176 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 216, 216, 176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

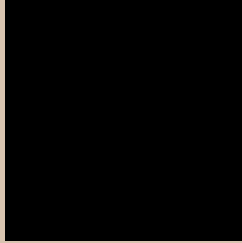
Any Text WCAG AA ✓ Pass

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 216, 216, 176 Background



This preview shows how black text looks on a background with the RYB color 216, 216, 176.



This preview shows how white text looks on a background with the RYB color 216, 216, 176.

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
216, 216, 176

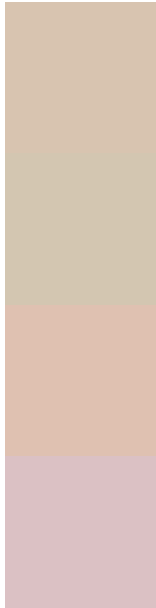
Protanopia
190, 208, 177

Deuteranopia
227, 198, 177



Tritanopia
220, 192, 207

Trichromacy



Original Color

216, 216, 176

Protanomaly

198, 211, 177

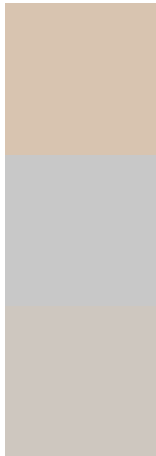
Deuteranomaly

223, 202, 177

Tritanomaly

219, 193, 196

Monochromacy



Original Color

216, 216, 176

Achromatopsia

200, 200, 200

Achromatomaly

204, 206, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 216, 216, 176 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(216, 196, 176)` looks like.

```
.text, #text, p{  
    color:rgb(216, 196, 176)  
}
```

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(216, 196, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 196, 176) }
```

Border

The CSS property to change the border of an element to RYB 216, 216, 176 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(216, 196, 176) }
```

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

```
.border{ border-color:rgb(216, 196, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 196, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 196, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 196, 176);  
box-shadow:4px 4px 4px 4px rgb(216, 196,  
176) }
```

Background

The CSS property to change the background color of an element to RGB 216, 216, 176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 196, 176) }
```

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

```
.background{ background-color: rgb(216,  
196, 176) }
```

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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