

Converting Colors

`RYB(232, 232, 202)`

Have a look what the booklet for
RYB(232, 232, 202) contains.

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Color

$\text{RYB}(232, 232, 202)$

Conversions

Conversions Part 1

Format	Color
Hex	E8D9CA
RGB	232, 217, 202
RGB Percent	91%, 85%, 79%
CMY	0.0902, 0.1490, 0.2078
CMYK	0.00, 0.06, 0.13, 0.09
HSL	30°, 39%, 85%
HSV	30°, 13%, 91%
XYZ	68.7522, 71.0458, 65.9667
YIQ	219.7750, 13.7550, -1.4850

Conversions

Conversions Part 2

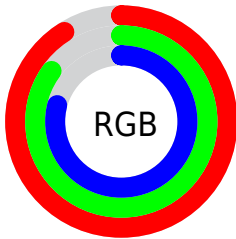
Format	Color
R_{YB}	232, 232, 202
Decimal	15260106
CIE _{Lab}	87.51, 2.68, 9.23
CIE _{LCh}	88, 9.610, 73.791
Yxy	71.0458, 0.3341, 0.3453
Android (android.graphics.Color)	4293450186 (0xFFE8D9CA)
YUV	219.7750, -8.7631, 10.7213
Hunter-Lab	84.2887, -1.9070, 12.6000

Details

The RYB color **232, 232, 202** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **202, 212, 232**, and the grayscale version is **220, 220, 220**.

A 20% lighter version of the original color is **255, 255, 255**, and **176, 176, 148** is the 20% darker color. If you saturate the color by 10%, you get **232, 230, 179**, and if you desaturate by 10%, it is **230, 232, 225**.

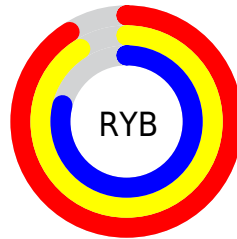
Distribution



Red (91%)

Green (85%)

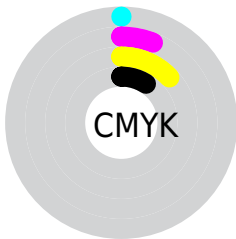
Blue (79%)



Red (91%)

Yellow (91%)

Blue (79%)

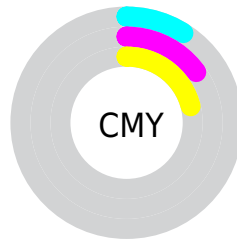


Cyan (0%)

Magenta (6%)

Yellow (13%)

Black (9%)



Cyan (9%)

Magenta (15%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RYB color 232, 232, 202 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 232, 232, 202 by changing the saturation by 10% instead.

■ 232, 232, 202

255, 255, 255

■ 232, 232, 202

■ 204, 202, 175

■ 176, 176, 148

■ 147, 149, 122

■ 119, 123, 97

■ 98, 98, 74

■ 72, 74, 51

■ 49, 51, 30

■ 21, 31, 5

■ 0, 0, 0

 232, 232, 202

 232, 232, 202

 232, 230, 179

 230, 232, 225

 232, 232, 156

 232, 237, 248

 232, 232, 132

 232, 243, 255

 230, 232, 109

 232, 244, 255

 232, 232, 86

 232, 230, 63

 232, 232, 40

 232, 232, 16

 232, 232, 0

Harmonies

Analogous

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



238, 218, 207



232, 232, 202



206, 223, 202

Triad

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



232, 232, 202



197, 212, 225



226, 216, 233

Complementary

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



232, 232, 202



202, 212, 232

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.



215, 218, 237



232, 232, 202



198, 213, 232

Square

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



232, 232, 202



203, 217, 224



205, 216, 237



235, 214, 225

Rectangle

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



232, 232, 202



204, 222, 211



205, 216, 237



223, 217, 234

Sweetspot

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



232, 232, 202



255, 255, 245



232, 202, 217



128, 126, 121



0, 0, 0



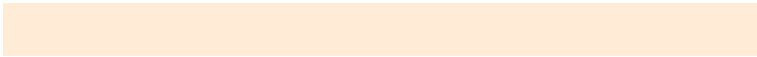
128, 128, 128

Same Dimension

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



232, 232, 202



253, 255, 214



202, 232, 202



115, 115, 103



179, 177, 0



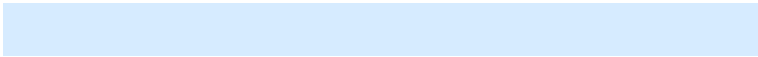
49, 51, 0

Inverse Universe

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



202, 212, 232



214, 228, 255



202, 202, 232



103, 107, 115



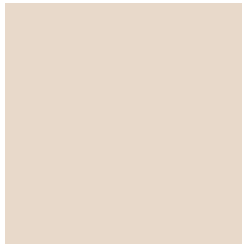
0, 59, 179



0, 17, 51

Previews

White Background



This preview shows how the RYB color 232, 232, 202 looks on a white background.

Color Contrast Check

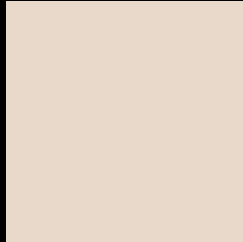
Large Text (above 18pt) WCAG AA × Fail

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 232, 232, 202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

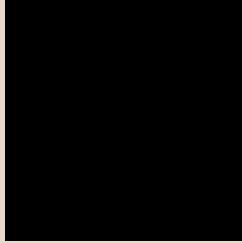
Any Text WCAG AA ✓ Pass

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 232, 232, 202 Background



This preview shows how black text looks on a background with the RYB color 232, 232, 202.



This preview shows how white text looks on a background with the RYB color 232, 232, 202.

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](#).

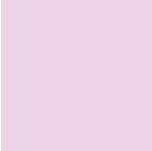
Dichromacy



Original Color
232, 232, 202

Protanopia
215, 227, 203

Deuteranopia
247, 214, 203



Tritanopia
236, 213, 230

Trichromacy



Original Color

232, 232, 202

Protanomaly

222, 229, 203

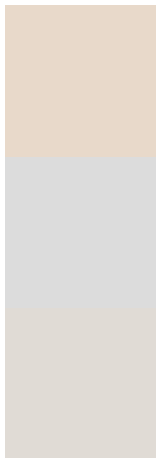
Deuteranomaly

242, 218, 203

Tritanomaly

235, 214, 220

Monochromacy



Original Color

232, 232, 202

Achromatopsia

220, 220, 220

Achromatomaly

222, 224, 213

CSS Examples

Text

The CSS property to change the color of the text to RYB 232, 232, 202 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(232, 217, 202) looks like.

```
.text, #text, p{  
    color:rgb(232, 217, 202)  
}
```

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(232, 217, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 217, 202) }
```

Border

The CSS property to change the border of an element to RYB 232, 232, 202 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(232, 217, 202) }
```

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

```
.border{ border-color:rgb(232, 217, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 217, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 217, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 217, 202);  
box-shadow:4px 4px 4px 4px rgb(232, 217,  
202) }
```

Background

The CSS property to change the background color of an element to RGB 232, 217, 202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 217, 202) }
```

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

```
.background{ background-color: rgb(232,  
217, 202) }
```

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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