

Converting Colors

`RYB(240, 236, 212)`

Have a look what the booklet for
RYB(240, 236, 212) contains.

RYB(240, 236, 212)	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

$\text{RYB}(240, 236, 212)$

Conversions

Conversions Part 1

Format	Color
Hex	F0E1D4
RGB	240, 225, 212
RGB Percent	94%, 88%, 83%
CMY	0.0588, 0.1179, 0.1686
CMYK	0.00, 0.06, 0.12, 0.06
HSL	28°, 48%, 89%
HSV	28°, 12%, 94%
XYZ	74.7233, 77.0876, 73.2284
YIQ	228.0030, 13.1130, -0.8630

Conversions

Conversions Part 2

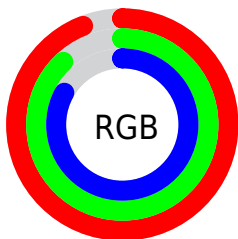
Format	Color
R_{YB}	240, 236, 212
Decimal	15786452
CIE Lab	90.36, 3.01, 8.15
CIE LCh	90, 8.693, 69.725
Yxy	77.0876, 0.3320, 0.3426
Android (android.graphics.Color)	4293976532 (0xFFFF0E1D4)
YUV	228.0030, -7.8895, 10.5214
Hunter-Lab	87.7995, -1.7338, 12.0094

Details

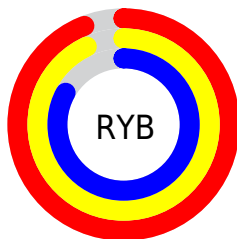
The RYB color **240, 236, 212** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **212, 222, 240**, and the grayscale version is **228, 228, 228**.

A 20% lighter version of the original color is 255, 255, 255, and **184, 182, 157** is the 20% darker color. If you saturate the color by 10%, you get **240, 233, 188**, and if you desaturate by 10%, it is **240, 240, 236**.

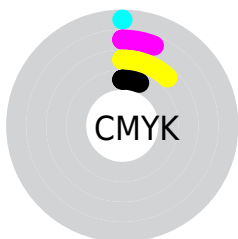
Distribution



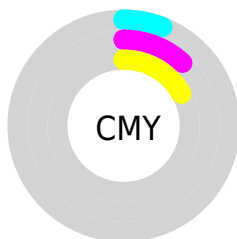
- Red (94%)
- Green (88%)
- Blue (83%)



- Red (94%)
- Yellow (93%)
- Blue (83%)



- Cyan (0%)
- Magenta (6%)
- Yellow (12%)
- Black (6%)



- Cyan (6%)
- Magenta (12%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 240, 236, 212 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 240, 236, 212 by changing the saturation by 10% instead.

■ 240, 236, 212

255, 255, 255

■ 240, 236, 212

■ 212, 208, 184

■ 184, 182, 157

■ 157, 153, 131

■ 131, 129, 106

■ 105, 103, 82

■ 81, 77, 59

■ 58, 56, 37

■ 36, 34, 17

■ 10, 0, 0

 240, 236, 212

 240, 236, 212

 240, 233, 188

 240, 240, 236


 240, 229, 164


 240, 246, 255


 240, 225, 140


 240, 248, 255

 240, 221, 116

 240, 218, 92

 240, 214, 68

 240, 210, 44

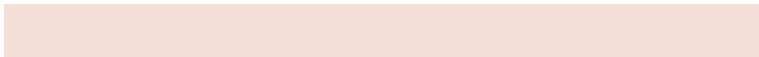
 240, 210, 20

 240, 207, 0

Harmonies

Analogous

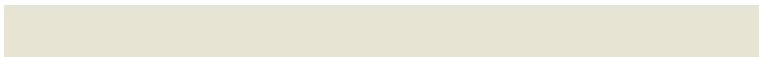
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



245, 225, 217



240, 236, 212



216, 232, 211

Triad

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



240, 236, 212



208, 221, 232



232, 224, 240

Complementary

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



240, 236, 212



212, 222, 240

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.



222, 226, 244



240, 236, 212



208, 221, 238

Square

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



240, 236, 212



213, 226, 232



213, 224, 243



241, 222, 233

Rectangle

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



240, 236, 212



213, 229, 217



213, 224, 243



229, 225, 242

Sweetspot

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



240, 236, 212



255, 255, 245



240, 212, 227



128, 126, 121



0, 0, 0



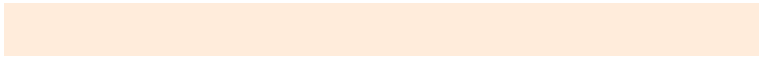
128, 128, 128

Same Dimension

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



240, 236, 212



255, 251, 219



213, 240, 212



120, 117, 108



184, 158, 0



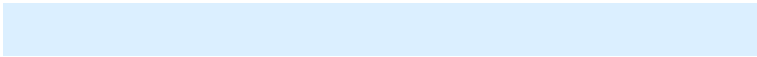
56, 49, 0

Inverse Universe

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



212, 222, 240



219, 232, 255



212, 213, 240



108, 112, 120



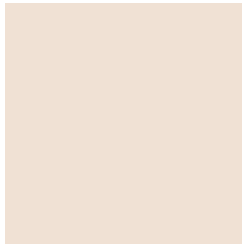
0, 64, 184



0, 20, 56

Previews

White Background



This preview shows how the RYB color 240, 236, 212 looks on a white background.

Color Contrast Check

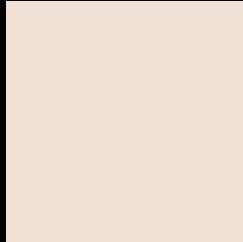
Large Text (above 18pt) WCAG AA × Fail

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 240, 236, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

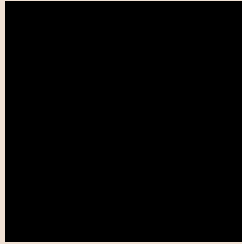
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

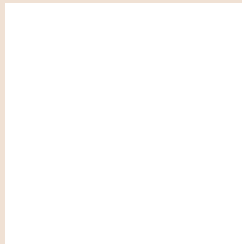
Any Text WCAG AAA ✓ Pass

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

RYB 240, 236, 212 Background



This preview shows how black text looks on a background with the RYB color 240, 236, 212.

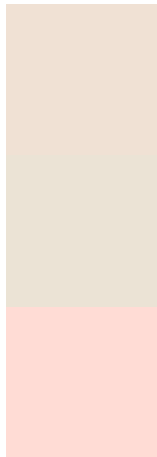


This preview shows how white text looks on a background with the RYB color 240, 236, 212.

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
240, 236, 212

Protanopia
226, 235, 213

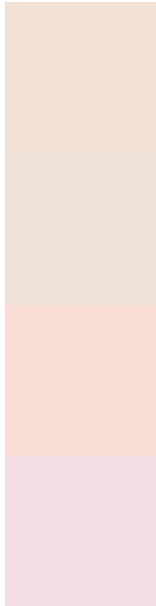
Deuteranopia
255, 221, 213



Tritanopia

244, 221, 238

Trichromacy



Original Color

240, 236, 212

Protanomaly

233, 237, 213

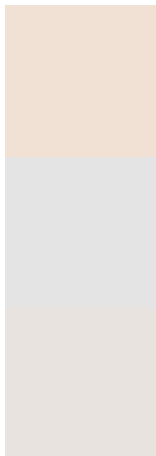
Deuteranomaly

250, 225, 213

Tritanomaly

243, 222, 229

Monochromacy



Original Color

240, 236, 212

Achromatopsia

228, 228, 228

Achromatomaly

232, 232, 222

CSS Examples

Text

The CSS property to change the color of the text to RYB 240, 236, 212 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(240, 225, 212) looks like.

```
.text, #text, p{  
    color:rgb(240, 225, 212)  
}
```

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(240, 225, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 225, 212) }
```

Border

The CSS property to change the border of an element to RYB 240, 236, 212 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(240, 225, 212) }
```

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

```
.border{ border-color:rgb(240, 225, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 225, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 225, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 225, 212);  
box-shadow:4px 4px 4px 4px rgb(240, 225,  
212) }
```

Background

The CSS property to change the background color of an element to RYB 240, 236, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 225, 212) }
```

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

```
.background{ background-color: rgb(240,  
225, 212) }
```

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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