

# Converting Colors

`RYB(242, 221, 209)`

Have a look what the booklet for  
RYB(242, 221, 209) contains.

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# Color

**R<sub>Y</sub>B(242, 221, 209)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2DAD1
RGB	242, 218, 209
RGB Percent	95%, 85%, 82%
CMY	0.0510, 0.1459, 0.1804
CMYK	0.00, 0.10, 0.14, 0.05
HSL	16°, 56%, 88%
HSV	16°, 14%, 95%
XYZ	73.1461, 73.5198, 70.6571
YIQ	224.1500, 17.1930, 2.2890

# Conversions

## Conversions Part 2

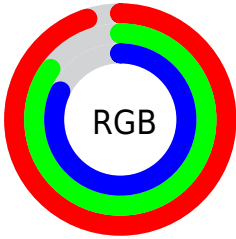
Format	Color
R <sub>Y</sub> B	242, 221, 209
Decimal	15915729
CIE Lab	88.70, 6.93, 7.36
CIE LCh	89, 10.105, 46.720
Yxy	73.5198, 0.3366, 0.3383
Android (android.graphics.Color)	4294105809 (0xFFF2DAD1)
YUV	224.1500, -7.4690, 15.6544
Hunter-Lab	85.7437, 2.2231, 11.1626

# Details

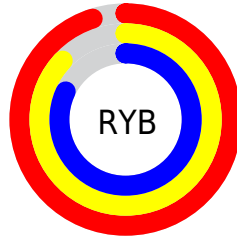
The RYB color **242, 221, 209** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **209, 223, 242**, and the grayscale version is **224, 224, 224**.

A 20% lighter version of the original color is **255, 255, 255**, and **186, 166, 155** is the 20% darker color. If you saturate the color by 10%, you get **242, 205, 185**, and if you desaturate by 10%, it is **242, 238, 233**.

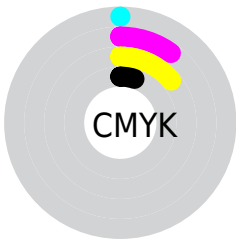
# Distribution



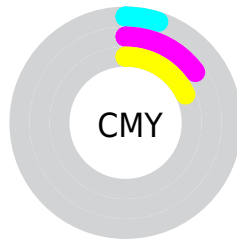
- Red (95%)
- Green (85%)
- Blue (82%)



- Red (95%)
- Yellow (87%)
- Blue (82%)



- Cyan (0%)
- Magenta (10%)
- Yellow (14%)
- Black (5%)



- Cyan (5%)
- Magenta (15%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 242, 221, 209 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 242, 221, 209 by changing the saturation by 10% instead.



 242, 221, 209


255, 255, 255

 242, 221, 209

 214, 193, 181

 186, 166, 155

 159, 140, 129

 132, 113, 104

 107, 89, 80

 82, 67, 57

 59, 45, 35

 37, 24, 14


 3, 0, 0

 242, 221, 209


 242, 221, 209

 242, 205, 185


 242, 238, 233


 242, 189, 161


 242, 248, 255


 242, 176, 136

 242, 249, 255

 242, 160, 112

 242, 144, 88

 242, 128, 64

 242, 114, 40

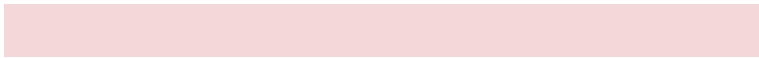
 242, 98, 15

 242, 89, 0

# Harmonies

## Analogous

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



244, 216, 217



242, 221, 209



230, 235, 204

# Triad

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



242, 221, 209



204, 219, 228



219, 222, 241

# Complementary

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



242, 221, 209



209, 223, 242

# 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.



208, 219, 241



242, 221, 209



199, 214, 228

# Square

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



242, 221, 209



209, 226, 221



201, 216, 236



231, 219, 236

# Rectangle

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



242, 221, 209



212, 229, 204



201, 216, 236



215, 221, 242

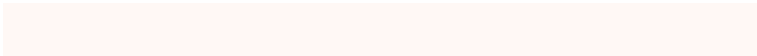


# Sweetspot

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



242, 221, 209



255, 249, 245



242, 209, 233



128, 124, 121



0, 0, 0



128, 128, 128

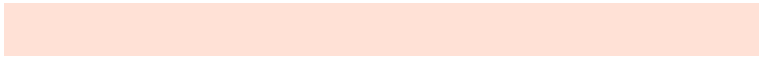


# Same Dimension

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



242, 221, 209



255, 229, 214



220, 242, 209



120, 112, 108



184, 67, 0



56, 20, 0

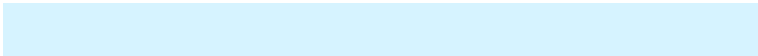


# Inverse Universe

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



209, 223, 242



214, 231, 255



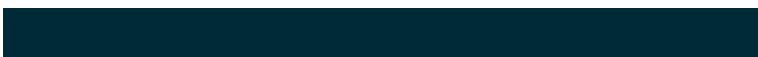
209, 215, 242



108, 113, 120



0, 78, 184

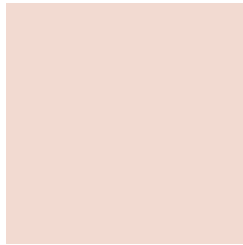


0, 24, 56



# Previews

## White Background



This preview shows how the RYB color 242, 221, 209 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 242, 221, 209 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

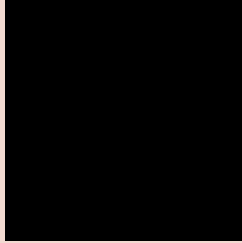
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

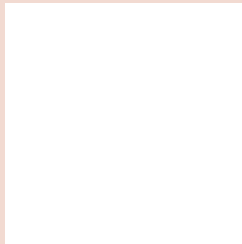
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 242, 221, 209 Background**



This preview shows how black text looks on a background with the RYB color 242, 221, 209.

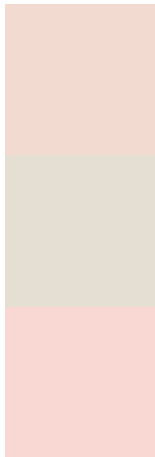


This preview shows how white text looks on a background with the RYB color 242, 221, 209.

# 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**  
242, 221, 209

**Protanopia**  
222, 229, 211

**Deuteranopia**  
249, 216, 210



**Tritanopia**  
245, 214, 231

# Trichromacy



**Original Color**

242, 221, 209

**Protanomaly**

234, 227, 210

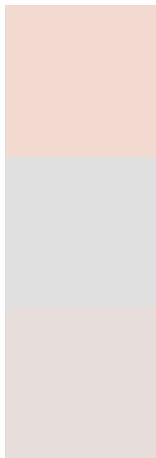
**Deuteranomaly**

246, 217, 210

**Tritanomaly**

244, 215, 223

# Monochromacy



**Original Color**

242, 221, 209

**Achromatopsia**

224, 224, 224

**Achromatomaly**

231, 223, 219

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 242, 221, 209 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(242, 218, 209) looks like.

```
.text, #text, p{  
    color:rgb(242, 218, 209)  
}
```

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(242, 218, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 218, 209) }
```

## Border

The CSS property to change the border of an element to RYB 242, 221, 209 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(242, 218, 209) }
```

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

```
.border{ border-color:rgb(242, 218, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 218, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 218, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 218, 209);  
box-shadow:4px 4px 4px 4px rgb(242, 218,  
209) }
```

# Background

The CSS property to change the background color of an element to RYB 242, 221, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 218, 209) }
```

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

```
.background{ background-color: rgb(242,  
218, 209) }
```

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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