

# Converting Colors

`RYB(236, 217, 217)`

Have a look what the booklet for  
RYB(236, 217, 217) contains.

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# Color

**$\text{RYB}(236, 217, 217)$**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ECD9D9
RGB	236, 217, 217
RGB Percent	93%, 85%, 85%
CMY	0.0745, 0.1490, 0.1490
CMYK	0.00, 0.08, 0.08, 0.07
HSL	0°, 33%, 89%
HSV	0°, 8%, 93%
XYZ	71.9293, 72.4683, 75.8423
YIQ	222.6810, 11.3240, 4.0280

# Conversions

## Conversions Part 2

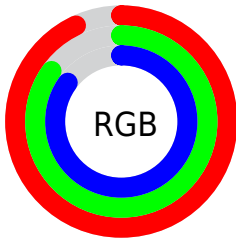
Format	Color
R <sub>Y</sub> B	236, 217, 217
Decimal	15522265
CIE Lab	88.19, 6.53, 2.36
CIE LCh	88, 6.946, 19.824
Yxy	72.4683, 0.3266, 0.3290
Android (android.graphics.Color)	4293712345 (0xFFECD9D9)
YUV	222.6810, -2.8007, 11.6808
Hunter-Lab	85.1283, 1.8493, 6.7673

# Details

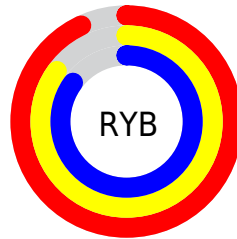
The RYB color **236, 217, 217** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **217, 227, 236**, and the grayscale version is **223, 223, 223**.

A 20% lighter version of the original color is 255, 255, 255, and **180, 162, 162** is the 20% darker color. If you saturate the color by 10%, you get **236, 193, 193**, and if you desaturate by 10%, it is **236, 239, 241**.

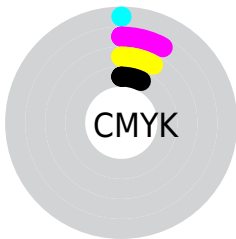
# Distribution



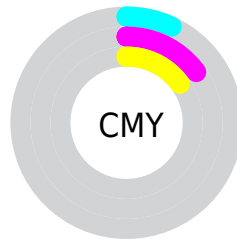
- Red (93%)
- Green (85%)
- Blue (85%)



- Red (93%)
- Yellow (85%)
- Blue (85%)



- Cyan (0%)
- Magenta (8%)
- Yellow (8%)
- Black (7%)



- Cyan (7%)
- Magenta (15%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 236, 217, 217 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 236, 217, 217 by changing the saturation by 10% instead.




 236, 217, 217

255, 255, 255

 236, 217, 217

 208, 189, 189

 180, 162, 162

 153, 136, 136

 127, 111, 111

 102, 86, 86

 78, 63, 63


 55, 41, 41

 33, 21, 21

 0, 0, 0

 236, 217, 217

 236, 217, 217


 236, 193, 193

 236, 239, 241

 236, 170, 170

 236, 246, 255

 236, 146, 146

 236, 123, 123

 236, 99, 99

 236, 75, 75

 236, 52, 52

 236, 28, 28

 236, 5, 5

# Harmonies

## Analogous

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



234, 217, 224



236, 217, 217



234, 221, 211

# Triad

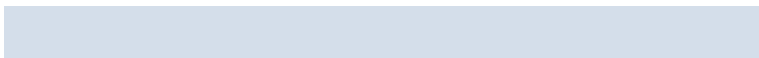
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



236, 217, 217



213, 224, 223



212, 219, 234

# Complementary

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



236, 217, 217



217, 227, 236

# 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.



207, 217, 231



236, 217, 217



208, 218, 225

# Square

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



236, 217, 217



209, 222, 209



205, 215, 225



220, 220, 234

# Rectangle

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



236, 217, 217



231, 227, 209



205, 215, 225



210, 218, 233



# Sweetspot

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



236, 217, 217



255, 250, 250



236, 217, 236



128, 125, 125



0, 0, 0



128, 128, 128

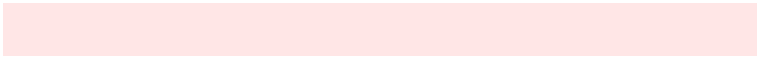


# Same Dimension

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



236, 217, 217



255, 230, 230



234, 236, 217



117, 106, 106



181, 0, 0



54, 0, 0



# Inverse Universe

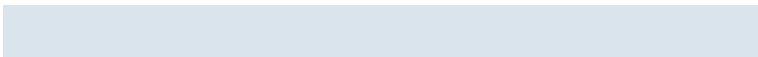
The Inverse Universe completely reimagines the original color for something new.



217, 227, 236



230, 243, 255



217, 224, 236



106, 112, 117



0, 91, 181

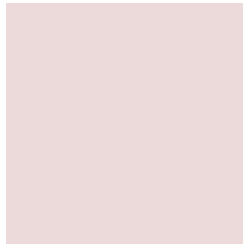


0, 27, 54



# Previews

## White Background



This preview shows how the RYB color 236, 217, 217 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 236, 217, 217 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

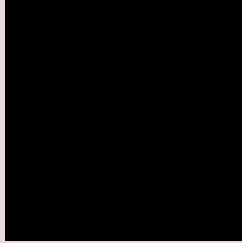
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

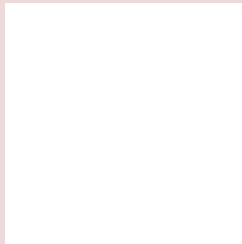
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 236, 217, 217 Background**



This preview shows how black text looks on a background with the RYB color 236, 217, 217.

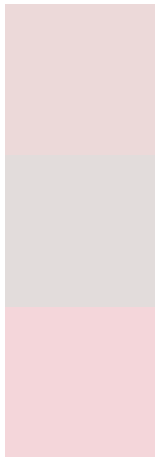


This preview shows how white text looks on a background with the RYB color 236, 217, 217.

# 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](#).

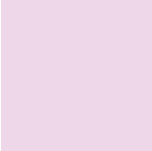
## Dichromacy



**Original Color**  
[236](#), [217](#), [217](#)

**Protanopia**  
[226](#), [220](#), [219](#)

**Deuteranopia**  
[244](#), [214](#), [218](#)



**Tritanopia**  
238, 215, 232

# Trichromacy



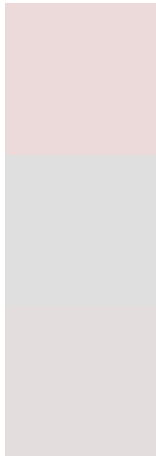
**Original Color**  
236, 217, 217

**Protanomaly**  
230, 219, 218

**Deuteranomaly**  
241, 215, 218

**Tritanomaly**  
237, 216, 227

# Monochromacy



**Original Color**  
236, 217, 217

**Achromatopsia**  
223, 223, 223

**Achromatomaly**  
228, 221, 221

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 236, 217, 217 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(236, 217, 217) looks like.

```
.text, #text, p{  
    color:rgb(236, 217, 217)  
}
```

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(236, 217, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 217, 217) }
```

## Border

The CSS property to change the border of an element to RYB 236, 217, 217 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(236, 217, 217) }
```

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

```
.border{ border-color:rgb(236, 217, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 217, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 217, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 217, 217);  
box-shadow:4px 4px 4px 4px rgb(236, 217,  
217) }
```

# Background

The CSS property to change the background color of an element to RYB 236, 217, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 217, 217) }
```

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

```
.background{ background-color: rgb(236,  
217, 217) }
```

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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