

Converting Colors

`RYB(237, 222, 217)`

Have a look what the booklet for
RYB(237, 222, 217) contains.

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Color

R_YB(237, 222, 217)

Conversions

Conversions Part 1

Format	Color
Hex	EDDDD9
RGB	237, 221, 217
RGB Percent	93%, 87%, 85%
CMY	0.0706, 0.1333, 0.1490
CMYK	0.00, 0.07, 0.08, 0.07
HSL	12°, 36%, 89%
HSV	12°, 8%, 93%
XYZ	73.3059, 74.7272, 76.2058
YIQ	225.3280, 10.8200, 2.1480

Conversions

Conversions Part 2

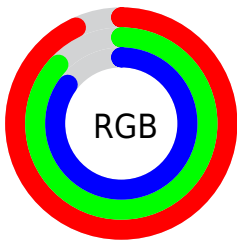
Format	Color
R _Y B	237, 222, 217
Decimal	15588825
CIE Lab	89.27, 4.80, 3.92
CIE LCh	89, 6.200, 39.216
Yxy	74.7272, 0.3269, 0.3332
Android (android.graphics.Color)	4293778905 (0xFFE9DD9)
YUV	225.3280, -4.1057, 10.2363
Hunter-Lab	86.4449, 0.0907, 8.2441

Details

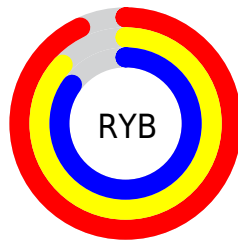
The RYB color **237, 222, 217** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **217, 226, 237**, and the grayscale version is **225, 225, 225**.

A 20% lighter version of the original color is **255, 255, 255**, and **181, 167, 162** is the 20% darker color. If you saturate the color by 10%, you get **237, 204, 193**, and if you desaturate by 10%, it is **237, 239, 241**.

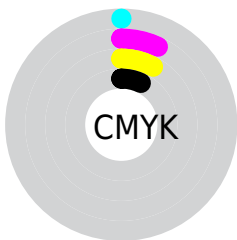
Distribution



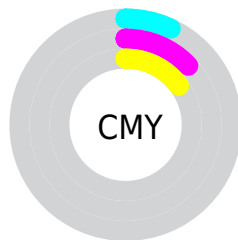
- Red (93%)
- Green (87%)
- Blue (85%)



- Red (93%)
- Yellow (87%)
- Blue (85%)



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



- Cyan (7%)
- Magenta (13%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 237, 222, 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 237, 222, 217 by changing the saturation by 10% instead.


 237, 222, 217

255, 255, 255

 237, 222, 217

 209, 194, 189

 181, 167, 162

 154, 141, 136

 128, 115, 111

 103, 91, 86

 79, 67, 63

 56, 45, 41

 34, 25, 21

 4, 0, 0

237, 222, 217

237, 222, 217

237, 204, 193

237, 239, 241

237, 186, 170

237, 246, 255

237, 168, 146

237, 151, 122

237, 133, 98

237, 115, 75

237, 97, 51

237, 80, 27

237, 61, 4

Harmonies

Analogous

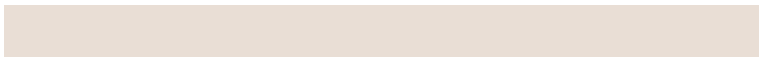
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



237, 220, 223



237, 222, 217



233, 229, 213

Triad

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



237, 222, 217



214, 224, 228



221, 224, 236

Complementary

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



237, 222, 217



217, 226, 237

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.



214, 222, 235



237, 222, 217



211, 220, 228

Square

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



237, 222, 217



215, 226, 220



211, 220, 231



228, 222, 233

Rectangle

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



237, 222, 217



222, 230, 213



211, 220, 231



218, 223, 236

Sweetspot

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



237, 222, 217



255, 250, 247



237, 217, 233



128, 123, 122



0, 0, 0



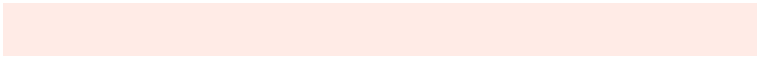
128, 128, 128

Same Dimension

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



237, 222, 217



255, 236, 230



226, 237, 217



117, 108, 106



181, 45, 0



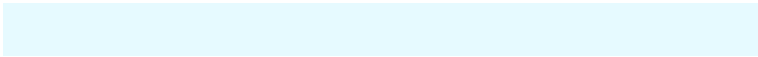
54, 14, 0

Inverse Universe

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



217, 226, 237



230, 241, 255



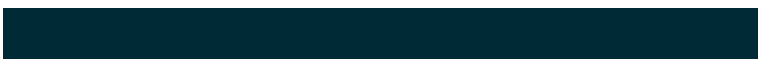
217, 222, 237



106, 111, 117



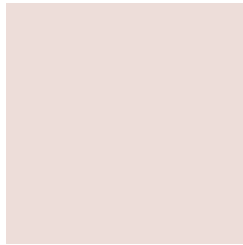
0, 81, 181



0, 24, 54

Previews

White Background



This preview shows how the RYB color 237, 222, 217 looks on a white background.

Color Contrast Check

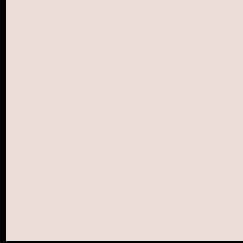
Large Text (above 18pt) WCAG AA × Fail

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 237, 222, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

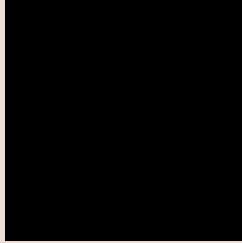
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

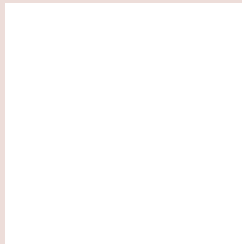
Any Text WCAG AAA ✓ Pass

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

RYB 237, 222, 217 Background



This preview shows how black text looks on a background with the RYB color 237, 222, 217.

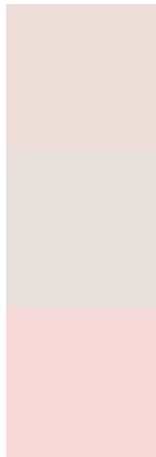


This preview shows how white text looks on a background with the RYB color 237, 222, 217.

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
237, 222, 217

Protanopia
230, 227, 218

Deuteranopia
248, 217, 218



Tritanopia
240, 218, 235

Trichromacy



Original Color

237, 222, 217

Protanomaly

233, 223, 218

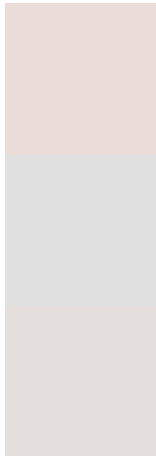
Deuteranomaly

244, 218, 218

Tritanomaly

239, 219, 228

Monochromacy



Original Color

237, 222, 217

Achromatopsia

225, 225, 225

Achromatomaly

229, 225, 222

CSS Examples

Text

The CSS property to change the color of the text to RGB 237, 221, 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(237, 221, 217) looks like.

```
.text, #text, p{  
    color:rgb(237, 221, 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(237, 221, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 221, 217) }
```

Border

The CSS property to change the border of an element to RYB 237, 222, 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(237, 221, 217) }
```

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

```
.border{ border-color:rgb(237, 221, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 221, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 221, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 221, 217);  
box-shadow:4px 4px 4px 4px rgb(237, 221,  
217) }
```

Background

The CSS property to change the background color of an element to RGB 237, 221, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 221, 217) }
```

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

```
.background{ background-color: rgb(237,  
221, 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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