

Converting Colors

`RYB(242, 220, 217)`

Have a look what the booklet for RYB(242, 220, 217) contains.

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Color

$\text{RYB}(242, 220, 217)$

Conversions

Conversions Part 1

Format	Color
Hex	F2DCD9
RGB	242, 220, 217
RGB Percent	95%, 86%, 85%
CMY	0.0510, 0.1385, 0.1490
CMYK	0.00, 0.09, 0.10, 0.05
HSL	6°, 49%, 90%
HSV	6°, 10%, 95%
XYZ	74.6513, 74.9048, 76.1692
YIQ	226.2360, 14.0750, 3.7310

Conversions

Conversions Part 2

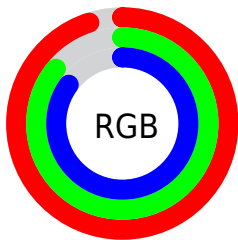
Format	Color
R _Y B	242, 220, 217
Decimal	15916249
CIE Lab	89.35, 7.23, 4.09
CIE LCh	89, 8.310, 29.502
Yxy	74.9048, 0.3307, 0.3318
Android (android.graphics.Color)	4294106329 (0xFFFF2DCD9)
YUV	226.2360, -4.5533, 13.8250
Hunter-Lab	86.5476, 2.5062, 8.4031

Details

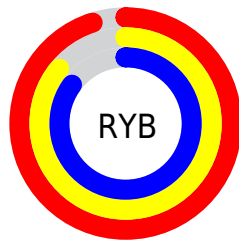
The RYB color **242, 220, 217** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **217, 229, 242**, and the grayscale version is **226, 226, 226**.

A 20% lighter version of the original color is **255, 255, 255**, and **186, 165, 162** is the 20% darker color. If you saturate the color by 10%, you get **242, 199, 193**, and if you desaturate by 10%, it is **242, 241, 241**.

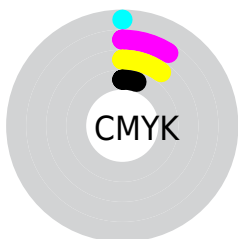
Distribution



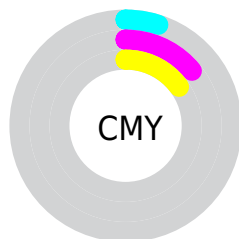
- Red (95%)
- Green (86%)
- Blue (85%)



- Red (95%)
- Yellow (86%)
- Blue (85%)



- Cyan (0%)
- Magenta (9%)
- Yellow (10%)
- Black (5%)



- Cyan (5%)
- Magenta (14%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the RYB color 242, 220, 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 242, 220, 217 by changing the saturation by 10% instead.

 242, 220, 217


255, 255, 255

 242, 220, 217

 214, 192, 189

 186, 165, 162

 159, 138, 136


 132, 113, 111

 107, 88, 86

 83, 65, 63


 59, 43, 41

 37, 22, 21


 11, 0, 0

 242, 220, 217


 242, 220, 217


 242, 199, 193

 242, 241, 241

 242, 177, 169

 242, 249, 255

 242, 156, 144

 242, 135, 120

 242, 114, 96

 242, 92, 72

 242, 70, 48

 242, 50, 23

 242, 29, 0

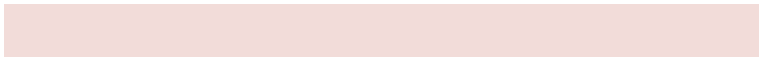
Harmonies

Analogous

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



241, 219, 225



242, 220, 217



239, 227, 211

Triad

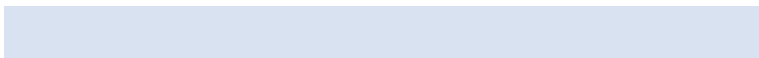
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



242, 220, 217



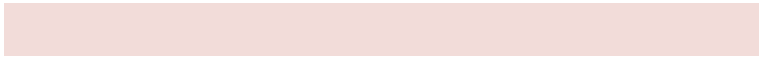
214, 226, 228



216, 223, 240

Complementary

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



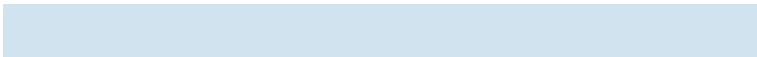
242, 220, 217



217, 229, 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.



209, 220, 238



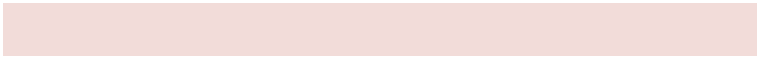
242, 220, 217



207, 219, 229

Square

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



242, 220, 217



211, 226, 215



205, 218, 232



226, 223, 238

Rectangle

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



242, 220, 217



229, 234, 209



205, 218, 232



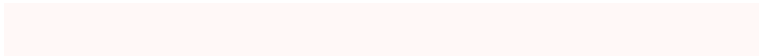
213, 222, 240

Sweetspot

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



242, 220, 217



255, 248, 247



242, 217, 239



128, 123, 122



0, 0, 0



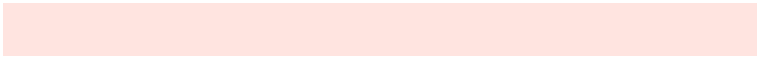
128, 128, 128

Same Dimension

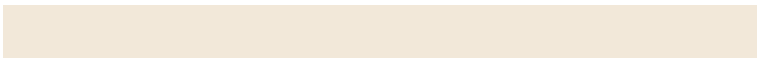
The Same Dimension uses a secret algorithm to generate beautiful new colors.



242, 220, 217



255, 229, 224



234, 242, 217



120, 109, 108



184, 22, 0



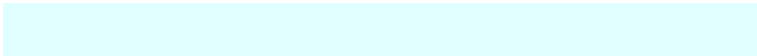
56, 7, 0

Inverse Universe

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



217, 229, 242



224, 239, 255



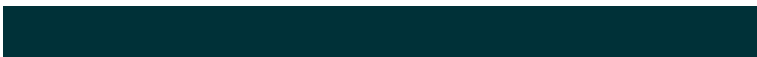
217, 224, 242



108, 114, 120



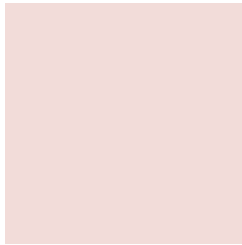
0, 87, 184



0, 26, 56

Previews

White Background



This preview shows how the RYB color 242, 220, 217 looks on a white background.

Color Contrast Check

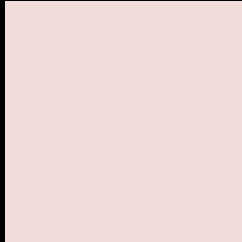
Large Text (above 18pt) WCAG AA × Fail

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 242, 220, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

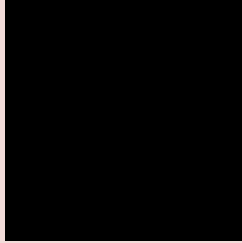
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

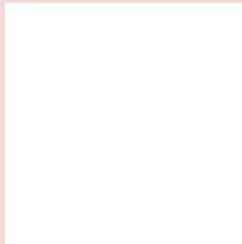
Any Text WCAG AAA ✓ Pass

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

RYB 242, 220, 217 Background



This preview shows how black text looks on a background with the RYB color 242, 220, 217.



This preview shows how white text looks on a background with the RYB color 242, 220, 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](#).

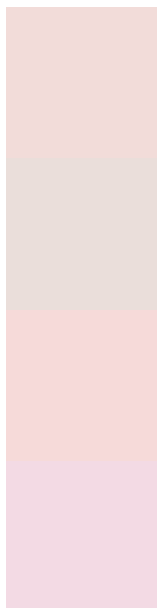
Dichromacy

	Original Color 242, 220, 217
	Protanopia 230, 228, 219
	Deuteranopia 249, 217, 217



Tritanopia
244, 217, 234

Trichromacy



Original Color

242, 220, 217

Protanomaly

234, 223, 218

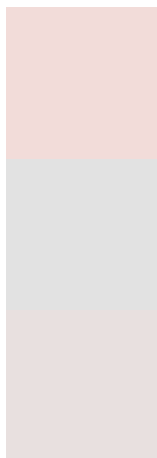
Deuteranomaly

246, 218, 217

Tritanomaly

243, 218, 228

Monochromacy



Original Color

242, 220, 217

Achromatopsia

226, 226, 226

Achromatomaly

232, 224, 223

CSS Examples

Text

The CSS property to change the color of the text to RYB 242, 220, 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(242, 220, 217) looks like.

```
.text, #text, p{  
    color:rgb(242, 220, 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(242, 220, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 220, 217) }
```

Border

The CSS property to change the border of an element to RYB 242, 220, 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(242, 220, 217) }
```

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

```
.border{ border-color:rgb(242, 220, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 220, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 220, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 220, 217);  
box-shadow:4px 4px 4px 4px rgb(242, 220,  
217) }
```

Background

The CSS property to change the background color of an element to RYB 242, 220, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 220, 217) }
```

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

```
.background{ background-color: rgb(242,  
220, 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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