

Converting Colors

`RYB(242, 242, 228)`

Have a look what the booklet for
RYB(242, 242, 228) contains.

RYB(242, 242, 228)	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

R_YB(242, 242, 228)

Conversions

Conversions Part 1

Format	Color
Hex	F2EBE4
RGB	242, 235, 228
RGB Percent	95%, 92%, 89%
CMY	0.0510, 0.0784, 0.1059
CMYK	0.00, 0.03, 0.06, 0.05
HSL	30°, 35%, 92%
HSV	30°, 6%, 95%
XYZ	80.3299, 83.8953, 85.3584
YIQ	236.2950, 6.4190, -0.6930

Conversions

Conversions Part 2

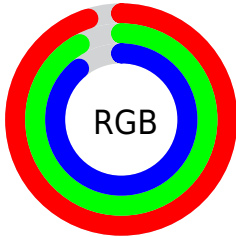
Format	Color
R _Y B	242, 242, 228
Decimal	15920100
CIE Lab	93.41, 1.16, 4.22
CIE LCh	93, 4.373, 74.617
Yxy	83.8953, 0.3219, 0.3361
Android (android.graphics.Color)	4294110180 (0xFF2EBE4)
YUV	236.2950, -4.0894, 5.0033
Hunter-Lab	91.5944, -3.7426, 8.8627

Details

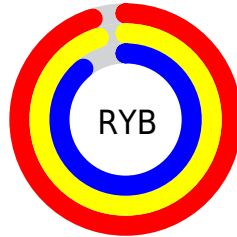
The RYB color **242, 242, 228** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **228, 233, 242**, and the grayscale version is **236, 236, 236**.

A 20% lighter version of the original color is 255, 255, 255, and **186, 184, 173** is the 20% darker color. If you saturate the color by 10%, you get **242, 242, 204**, and if you desaturate by 10%, it is **242, 245, 252**.

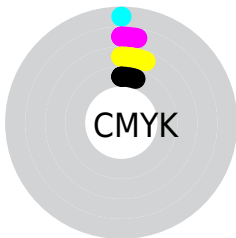
Distribution



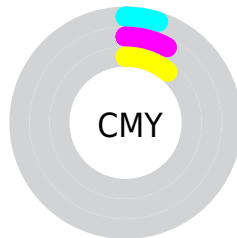
- Red (95%)
- Green (92%)
- Blue (89%)



- Red (95%)
- Yellow (95%)
- Blue (89%)



- Cyan (0%)
- Magenta (3%)
- Yellow (6%)
- Black (5%)



- Cyan (5%)
- Magenta (8%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 242, 242, 228 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, 242, 228 by changing the saturation by 10% instead.


 242, 242, 228

255, 255, 255


 242, 242, 228


 214, 214, 200

 186, 184, 173

 157, 159, 146

 131, 133, 120

 108, 108, 96

 81, 83, 72

 60, 60, 50

 36, 38, 29

 14, 18, 2

 242, 242, 228

 242, 242, 228

 242, 242, 204

 242, 245, 252


 242, 242, 180


 242, 249, 255


 240, 242, 155


 240, 242, 131

 242, 240, 107

 242, 240, 83

 242, 240, 59

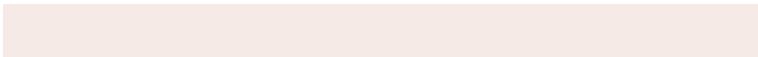
 242, 242, 34

 242, 242, 10

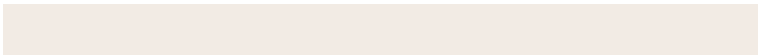
Harmonies

Analogous

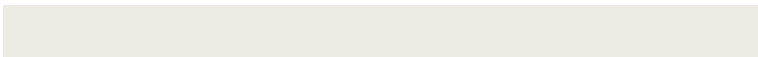
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



245, 235, 230



242, 242, 228



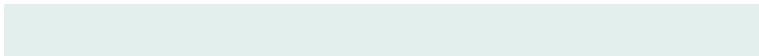
229, 237, 228

Triad

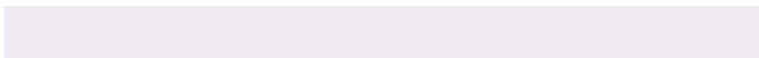
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



242, 242, 228



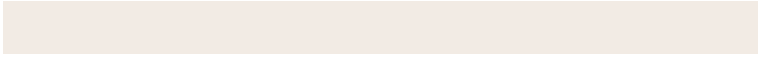
226, 233, 239



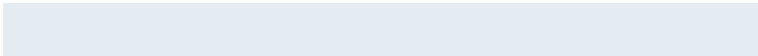
239, 234, 242

Complementary

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



242, 242, 228



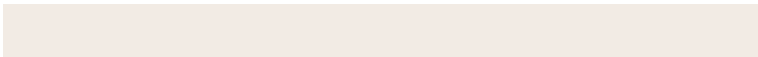
228, 233, 242

Split Complementary

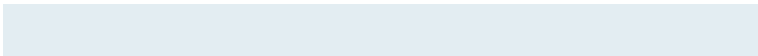
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



234, 236, 244



242, 242, 228



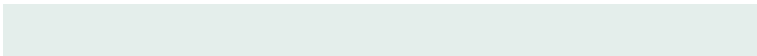
227, 233, 242

Square

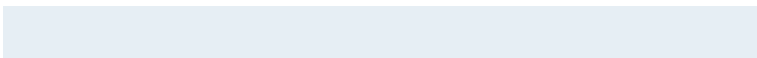
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



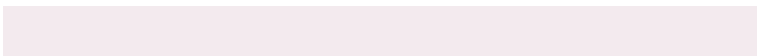
242, 242, 228



228, 234, 238



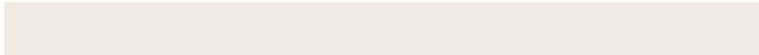
230, 235, 244



243, 234, 238

Rectangle

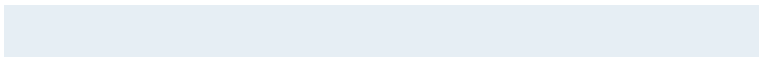
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



242, 242, 228



229, 237, 232



230, 235, 244



238, 235, 243

Sweetspot

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



242, 242, 228



255, 253, 250



242, 228, 235



128, 127, 125



0, 0, 0



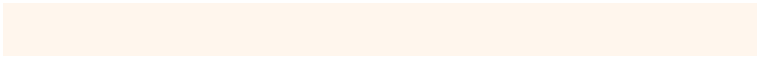
128, 128, 128

Same Dimension

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



242, 242, 228



255, 255, 237



228, 242, 228



120, 120, 110



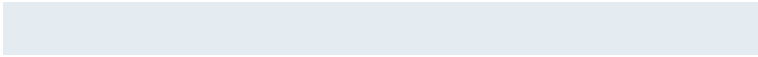
184, 184, 0



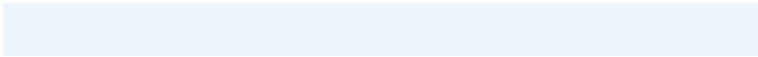
56, 56, 0

Inverse Universe

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



228, 233, 242



237, 243, 255



228, 228, 242



110, 113, 120



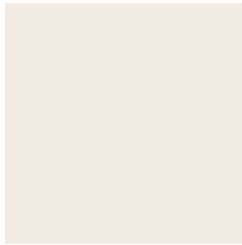
0, 61, 184



0, 19, 56

Previews

White Background



This preview shows how the RYB color 242, 242, 228 looks on a white background.

Color Contrast Check

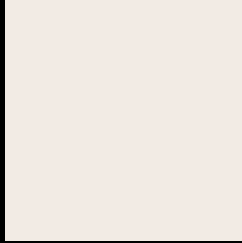
Large Text (above 18pt) WCAG AA × Fail

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, 242, 228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

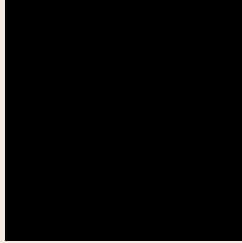
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

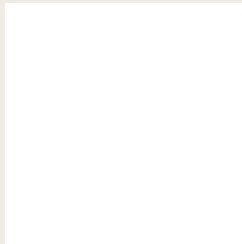
Any Text WCAG AAA ✓ Pass

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

RYB 242, 242, 228 Background



This preview shows how black text looks on a background with the RYB color 242, 242, 228.

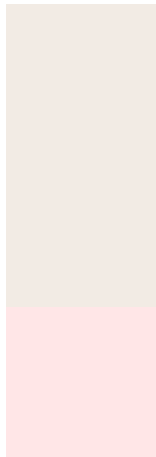


This preview shows how white text looks on a background with the RYB color 242, 242, 228.

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, 242, 228

Protanopia

242, 242, 228

Deuteranopia

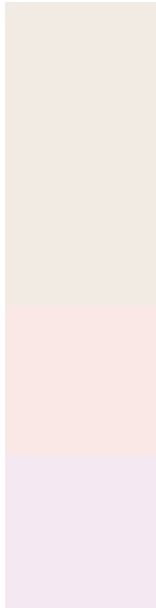
255, 230, 231



Tritanopia

245, 232, 250

Trichromacy



Original Color

242, 242, 228

Protanomaly

242, 242, 228

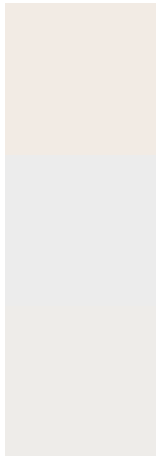
Deuteranomaly

250, 232, 230

Tritanomaly

244, 233, 242

Monochromacy



Original Color

242, 242, 228

Achromatopsia

236, 236, 236

Achromatomaly

236, 238, 233

CSS Examples

Text

The CSS property to change the color of the text to RYB 242, 242, 228 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, 235, 228) looks like.

```
.text, #text, p{  
    color:rgb(242, 235, 228)  
}
```

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, 235, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 235, 228) }
```

Border

The CSS property to change the border of an element to RYB 242, 242, 228 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, 235, 228) }
```

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

```
.border{ border-color:rgb(242, 235, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 235, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 235, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 235, 228);  
box-shadow:4px 4px 4px 4px rgb(242, 235,  
228) }
```

Background

The CSS property to change the background color of an element to RYB 242, 242, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 235, 228) }
```

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

```
.background{ background-color: rgb(242,  
235, 228) }
```

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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