

Converting Colors

`RYB(234, 242, 217)`

Have a look what the booklet for
RYB(234, 242, 217) contains.

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Color

R_YB(234, 242, 217)

Conversions

Conversions Part 1

Format	Color
Hex	F2E8D9
RGB	242, 232, 217
RGB Percent	95%, 91%, 85%
CMY	0.0510, 0.0907, 0.1490
CMYK	0.00, 0.04, 0.10, 0.05
HSL	36°, 49%, 90%
HSV	36°, 10%, 95%
XYZ	77.9654, 81.5332, 77.2739
YIQ	233.2800, 10.7750, -2.5450

Conversions

Conversions Part 2

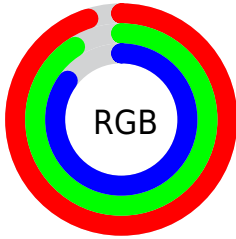
Format	Color
R_YB	234, 242, 217
Decimal	15919321
CIE Lab	92.37, 0.94, 8.45
CIE LCh	92, 8.498, 83.625
Yxy	81.5332, 0.3293, 0.3444
Android (android.graphics.Color)	4294109401 (0xFFFF2E8D9)
YUV	233.2800, -8.0260, 7.6474
Hunter-Lab	90.2957, -3.8926, 12.4674

Details

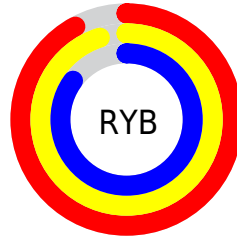
The RYB color **234, 242, 217** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **217, 224, 242**, and the grayscale version is **233, 233, 233**.

A 20% lighter version of the original color is 255, 255, 255, and **179, 186, 162** is the 20% darker color. If you saturate the color by 10%, you get **227, 242, 193**, and if you desaturate by 10%, it is **241, 242, 241**.

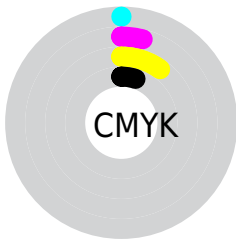
Distribution



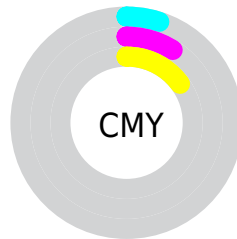
- Red (95%)
- Green (91%)
- Blue (85%)



- Red (92%)
- Yellow (95%)
- Blue (85%)



- Cyan (0%)
- Magenta (4%)
- Yellow (10%)
- Black (5%)



- Cyan (5%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 234, 242, 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 234, 242, 217 by changing the saturation by 10% instead.

■ 234, 242, 217

255, 255, 255

■ 234, 242, 217

■ 206, 214, 189

■ 179, 186, 162

■ 151, 159, 136

■ 126, 133, 111

■ 99, 107, 86

■ 76, 83, 63

■ 52, 60, 41


■ 33, 38, 21

■ 13, 15, 0

 234, 242, 217

 234, 242, 217

 227, 242, 193

 241, 242, 241


 220, 242, 169


 242, 247, 255


 212, 242, 144

 242, 249, 255

 202, 242, 120

 195, 242, 96

 188, 242, 72

 181, 242, 48

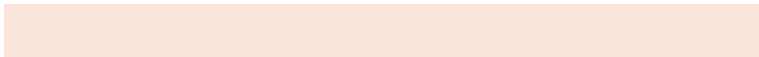
 170, 242, 23

 165, 242, 0

Harmonies

Analogous

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



249, 233, 220



234, 242, 217



218, 235, 220

Triad

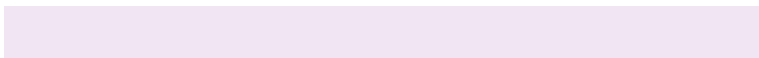
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



234, 242, 217



213, 226, 239



242, 229, 243

Complementary

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



234, 242, 217



217, 224, 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.



233, 232, 248



234, 242, 217



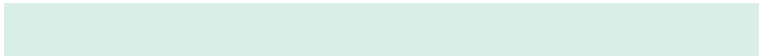
216, 228, 246

Square

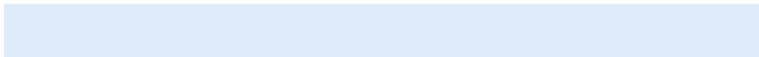
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



234, 242, 217



216, 229, 238



223, 231, 249



249, 228, 235

Rectangle

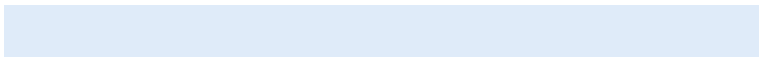
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



234, 242, 217



221, 236, 231



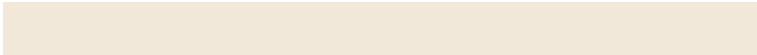
223, 231, 249



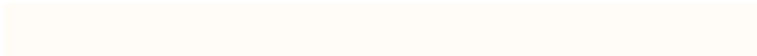
239, 230, 245

Sweetspot

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



234, 242, 217



252, 255, 247



242, 217, 227



128, 128, 122



0, 0, 0



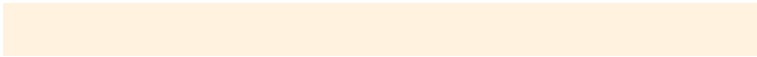
128, 128, 128

Same Dimension

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



234, 242, 217



244, 255, 224



217, 242, 219



117, 120, 108



127, 184, 0



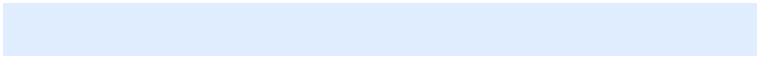
39, 56, 0

Inverse Universe

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



217, 224, 242



224, 233, 255



219, 217, 242



108, 112, 120



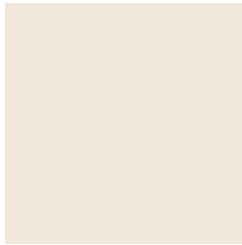
0, 53, 184



0, 16, 56

Previews

White Background



This preview shows how the RYB color 234, 242, 217 looks on a white background.

Color Contrast Check

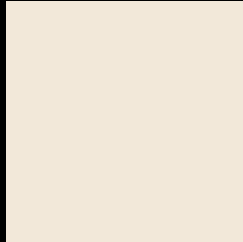
Large Text (above 18pt) WCAG AA × Fail

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 234, 242, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

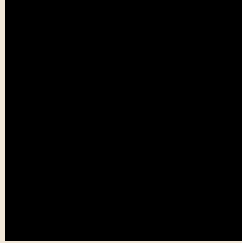
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

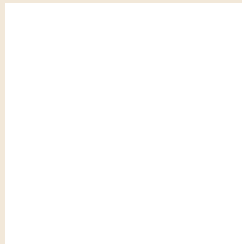
Any Text WCAG AAA ✓ Pass

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

R Y B 234, 242, 217 Background



This preview shows how black text looks on a background with the RYB color 234, 242, 217.

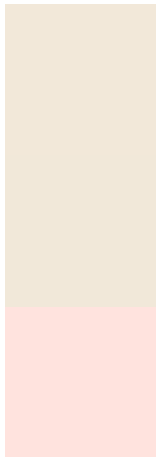


This preview shows how white text looks on a background with the RYB color 234, 242, 217.

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
[234](#), [242](#), [217](#)

Protanopia
[231](#), [241](#), [217](#)

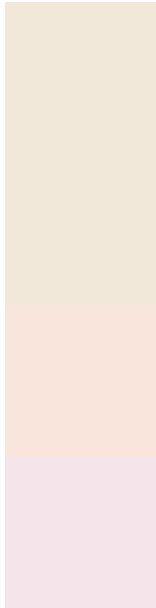
Deuteranopia
[255](#), [228](#), [222](#)



Tritanopia

246, 228, 246

Trichromacy



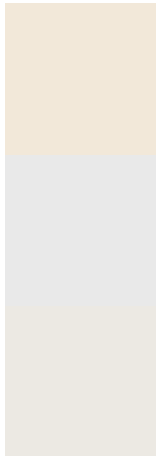
Original Color
234, 242, 217

Protanomaly
231, 241, 217

Deuteranomaly
250, 233, 220

Tritanomaly
245, 229, 235

Monochromacy



Original Color
234, 242, 217

Achromatopsia
233, 233, 233

Achromatomaly
232, 236, 227

CSS Examples

Text

The CSS property to change the color of the text to RYB 234, 242, 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, 232, 217) looks like.

```
.text, #text, p{  
    color:rgb(242, 232, 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, 232, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 232, 217) }
```

Border

The CSS property to change the border of an element to RYB 234, 242, 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, 232, 217) }
```

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

```
.border{ border-color:rgb(242, 232, 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, 232, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 232, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 232, 217);  
box-shadow:4px 4px 4px 4px rgb(242, 232,  
217) }
```

Background

The CSS property to change the background color of an element to RYB 234, 242, 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, 232, 217) }
```

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

```
.background{ background-color: rgb(242,  
232, 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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