

Converting Colors

`RYB(233, 242, 209)`

Have a look what the booklet for
RYB(233, 242, 209) contains.

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Color

R_YB(233, 242, 209)

Conversions

Conversions Part 1

Format	Color
Hex	F2E4D1
RGB	242, 228, 209
RGB Percent	95%, 89%, 82%
CMY	0.0510, 0.1055, 0.1804
CMYK	0.00, 0.06, 0.14, 0.05
HSL	35°, 56%, 88%
HSV	35°, 14%, 95%
XYZ	75.8989, 79.0254, 71.5747
YIQ	230.0200, 14.4430, -2.9410

Conversions

Conversions Part 2

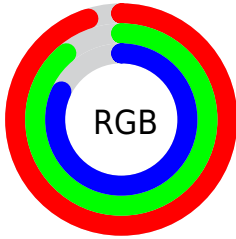
Format	Color
RYB	233, 242, 209
Decimal	15918289
CIELab	91.25, 1.61, 11.01
CIELCh	91, 11.125, 81.678
Yxy	79.0254, 0.3351, 0.3489
Android (android.graphics.Color)	4294108369 (0xFFFF2E4D1)
YUV	230.0200, -10.3629, 10.5065
Hunter-Lab	88.8963, -3.1665, 14.4901

Details

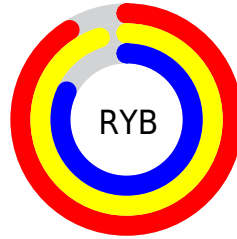
The RYB color **233, 242, 209** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **209, 219, 242**, and the grayscale version is **230, 230, 230**.

A 20% lighter version of the original color is 255, 255, 255, and **177, 186, 155** is the 20% darker color. If you saturate the color by 10%, you get **226, 242, 185**, and if you desaturate by 10%, it is **240, 242, 233**.

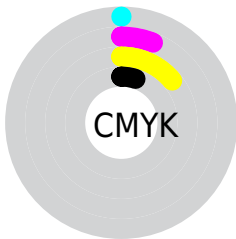
Distribution



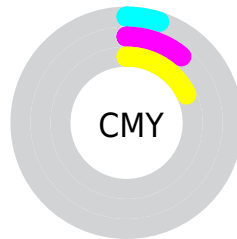
- Red (95%)
- Green (89%)
- Blue (82%)



- Red (91%)
- Yellow (95%)
- Blue (82%)



- Cyan (0%)
- Magenta (6%)
- Yellow (14%)
- Black (5%)



- Cyan (5%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 233, 242, 209 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 233, 242, 209 by changing the saturation by 10% instead.

■ 233, 242, 209

255, 255, 255

■ 233, 242, 209

■ 205, 214, 181

■ 177, 186, 155

■ 152, 159, 129

■ 121, 132, 103

■ 97, 107, 79

■ 75, 83, 56

■ 49, 59, 35

■ 26, 37, 14

■ 11, 4, 0

 233, 242, 209

 233, 242, 209

 226, 242, 185

 240, 242, 233


 220, 242, 161

 242, 246, 255

 211, 242, 136


 242, 249, 255

 207, 242, 112

 200, 242, 88

 194, 242, 64

 187, 242, 40

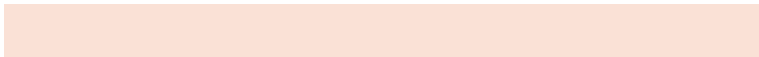
 178, 242, 15

 176, 242, 0

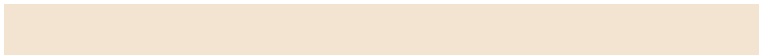
Harmonies

Analogous

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



250, 230, 214



233, 242, 209



210, 232, 212

Triad

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



233, 242, 209



204, 220, 237



241, 225, 243

Complementary

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



233, 242, 209



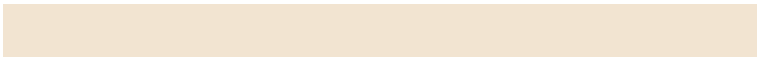
209, 219, 242

Split Complementary

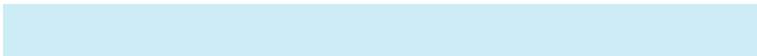
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



229, 228, 250



233, 242, 209



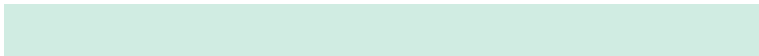
206, 223, 246

Square

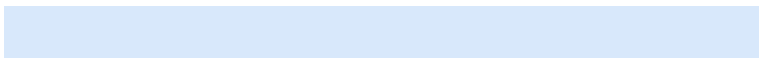
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



233, 242, 209



208, 225, 236



216, 227, 251



250, 223, 233

Rectangle

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



233, 242, 209



214, 234, 226



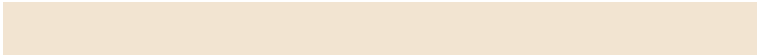
216, 227, 251



237, 226, 246

Sweetspot

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



233, 242, 209



252, 255, 245



242, 209, 223



126, 128, 121



0, 0, 0



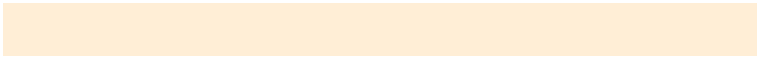
128, 128, 128

Same Dimension

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



233, 242, 209



243, 255, 214



209, 242, 211



117, 120, 108



135, 184, 0



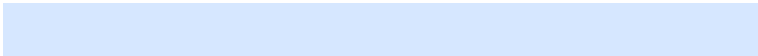
42, 56, 0

Inverse Universe

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



209, 219, 242



214, 226, 255



211, 209, 242



108, 112, 120



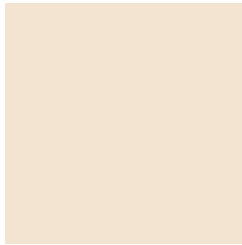
0, 54, 184



0, 17, 56

Previews

White Background



This preview shows how the RYB color 233, 242, 209 looks on a white background.

Color Contrast Check

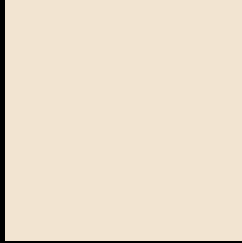
Large Text (above 18pt) WCAG AA × Fail

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 233, 242, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

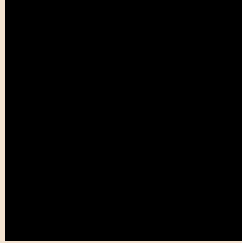
Any Text WCAG AA ✓ Pass

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 233, 242, 209 Background



This preview shows how black text looks on a background with the RYB color 233, 242, 209.

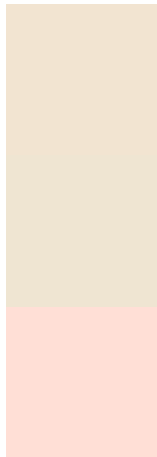


This preview shows how white text looks on a background with the RYB color 233, 242, 209.

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
233, 242, 209

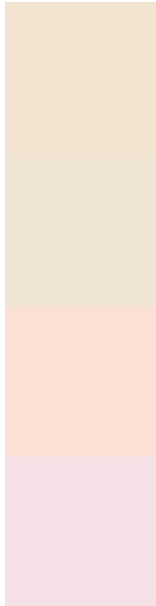
Protanopia
225, 239, 210

Deuteranopia
255, 226, 214



Tritanopia
246, 223, 241

Trichromacy



Original Color

233, 242, 209

Protanomaly

227, 240, 210

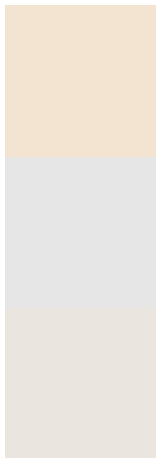
Deuteranomaly

250, 232, 212

Tritanomaly

245, 225, 229

Monochromacy



Original Color

233, 242, 209

Achromatopsia

230, 230, 230

Achromatomaly

231, 234, 222

CSS Examples

Text

The CSS property to change the color of the text to RYB 233, 242, 209 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, 228, 209) looks like.

```
.text, #text, p{  
    color:rgb(242, 228, 209)  
}
```

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, 228, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 228, 209) }
```

Border

The CSS property to change the border of an element to RYB 233, 242, 209 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, 228, 209) }
```

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

```
.border{ border-color:rgb(242, 228, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 228, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 228, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 228, 209);  
box-shadow:4px 4px 4px 4px rgb(242, 228,  
209) }
```

Background

The CSS property to change the background color of an element to RYB 233, 242, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 228, 209) }
```

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

```
.background{ background-color: rgb(242,  
228, 209) }
```

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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