

Converting Colors

`RYB(242, 248, 205)`

Have a look what the booklet for
RYB(242, 248, 205) contains.

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Color

R_YB(242, 248, 205)

Conversions

Conversions Part 1

Format	Color
Hex	F8E4CD
RGB	248, 228, 205
RGB Percent	97%, 89%, 80%
CMY	0.0275, 0.1054, 0.1961
CMYK	0.00, 0.08, 0.17, 0.03
HSL	32°, 75%, 89%
HSV	32°, 17%, 97%
XYZ	77.5052, 79.9130, 69.0974
YIQ	231.3580, 19.3030, -2.9130

Conversions

Conversions Part 2

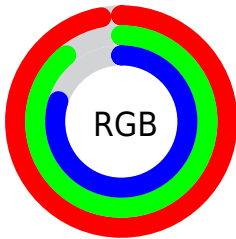
Format	Color
R _Y B	242, 248, 205
Decimal	16311501
CIE Lab	91.65, 3.14, 13.73
CIE LCh	92, 14.081, 77.133
Yxy	79.9130, 0.3422, 0.3528
Android (android.graphics.Color)	4294501581 (0xFFF8E4CD)
YUV	231.3580, -12.9945, 14.5950
Hunter-Lab	89.3941, -1.6790, 16.7475

Details

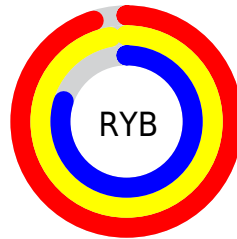
The RYB color **242, 248, 205** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **205, 219, 248**, and the grayscale version is **232, 232, 232**.

A 20% lighter version of the original color is 255, 255, 255, and **184, 191, 151** is the 20% darker color. If you saturate the color by 10%, you get **237, 248, 180**, and if you desaturate by 10%, it is **244, 248, 230**.

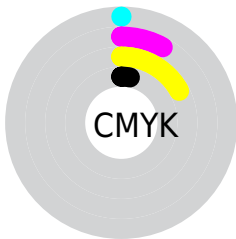
Distribution



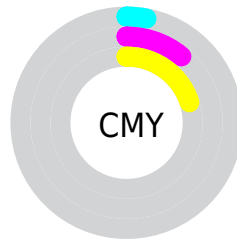
- Red (97%)
- Green (89%)
- Blue (80%)



- Red (95%)
- Yellow (97%)
- Blue (80%)



- Cyan (0%)
- Magenta (8%)
- Yellow (17%)
- Black (3%)



- Cyan (3%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 242, 248, 205 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, 248, 205 by changing the saturation by 10% instead.

 242, 248, 205

255, 255, 255

 242, 248, 205


 213, 219, 178

 184, 191, 151

 158, 164, 125

 128, 137, 100

 105, 112, 76

 80, 87, 53

 54, 63, 32

 28, 41, 9

 16, 4, 0

 242, 248, 205

 242, 248, 205

 237, 248, 180

 244, 248, 230

 235, 248, 155


 248, 250, 255

 231, 248, 131


 248, 252, 255

 229, 248, 106

 224, 248, 81

 222, 248, 56

 216, 248, 31

 216, 248, 7

 214, 248, 0

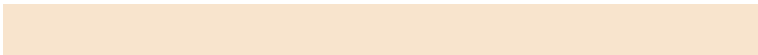
Harmonies

Analogous

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



255, 229, 212



242, 248, 205



206, 234, 205

Triad

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



242, 248, 205



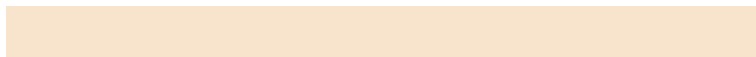
197, 218, 239



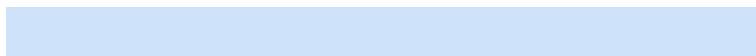
243, 225, 250

Complementary

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



242, 248, 205



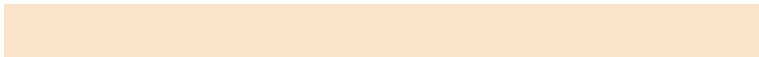
205, 219, 248

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.



227, 230, 255



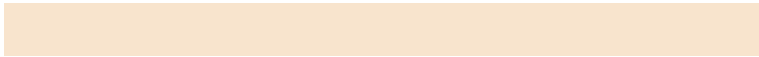
242, 248, 205



199, 221, 250

Square

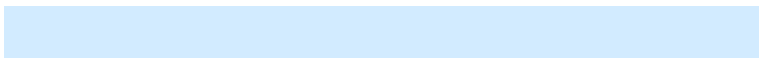
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



242, 248, 205



205, 226, 239



210, 226, 255



255, 222, 237

Rectangle

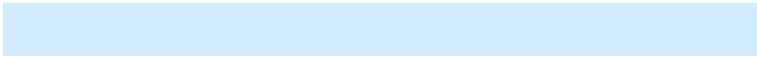
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



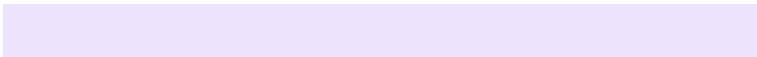
242, 248, 205



209, 235, 221



210, 226, 255



238, 227, 253

Sweetspot

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



242, 248, 205



253, 255, 242



248, 205, 225



128, 128, 120



0, 0, 0



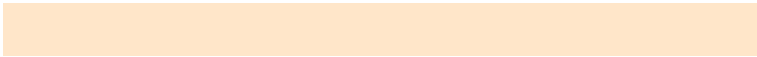
128, 128, 128

Same Dimension

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



242, 248, 205



248, 255, 201



205, 248, 206



123, 125, 112



165, 189, 0



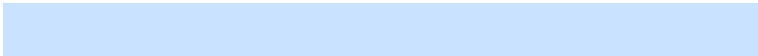
52, 61, 0

Inverse Universe

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



205, 219, 248



201, 218, 255



206, 205, 248



112, 116, 125



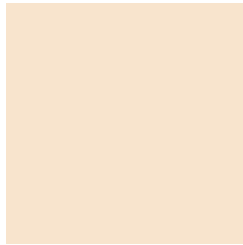
0, 60, 189



0, 19, 61

Previews

White Background



This preview shows how the RYB color 242, 248, 205 looks on a white background.

Color Contrast Check

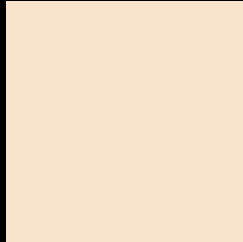
Large Text (above 18pt) WCAG AA × Fail

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, 248, 205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

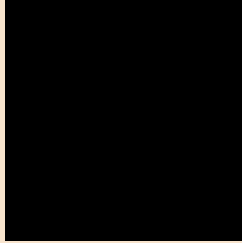
Any Text WCAG AA ✓ Pass

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, 248, 205 Background



This preview shows how black text looks on a background with the RYB color 242, 248, 205.



This preview shows how white text looks on a background with the RYB color 242, 248, 205.

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

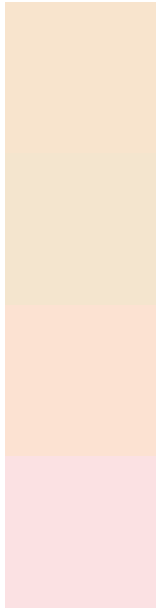
	Original Color 242, 248, 205
	Protanopia 222, 241, 206
	Deuteranopia 255, 230, 213



Tritanopia

253, 223, 240

Trichromacy



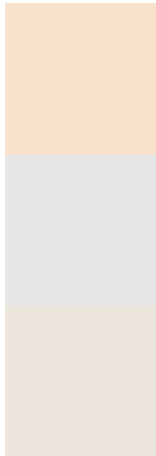
Original Color
242, 248, 205

Protanomaly
231, 244, 206

Deuteranomaly
252, 236, 210

Tritanomaly
251, 225, 227

Monochromacy



Original Color
242, 248, 205

Achromatopsia
231, 231, 231

Achromatomaly
235, 237, 222

CSS Examples

Text

The CSS property to change the color of the text to RYB 242, 248, 205 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(248, 228, 205) looks like.

```
.text, #text, p{  
    color:rgb(248, 228, 205)  
}
```

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(248, 228, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 228, 205) }
```

Border

The CSS property to change the border of an element to RYB 242, 248, 205 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(248, 228, 205) }
```

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

```
.border{ border-color:rgb(248, 228, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 228, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 228, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 228, 205);  
box-shadow:4px 4px 4px 4px rgb(248, 228,  
205) }
```

Background

The CSS property to change the background color of an element to RGB 242, 248, 205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 228, 205) }
```

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

```
.background{ background-color: rgb(248,  
228, 205) }
```

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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