

Converting Colors

`RYB(235, 231, 171)`

Have a look what the booklet for
RYB(235, 231, 171) contains.

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Color

R_YB(235, 231, 171)

Conversions

Conversions Part 1

Format	Color
Hex	EBCAAB
RGB	235, 202, 171
RGB Percent	92%, 79%, 67%
CMY	0.0784, 0.2080, 0.3294
CMYK	0.00, 0.14, 0.27, 0.08
HSL	29°, 62%, 80%
HSV	29°, 27%, 92%
XYZ	62.7246, 62.8284, 47.3492
YIQ	208.3330, 29.6190, -2.6450

Conversions

Conversions Part 2

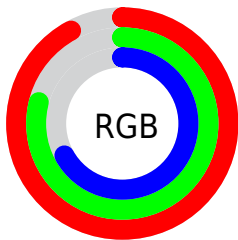
Format	Color
RYB	235, 231, 171
Decimal	15452843
CIELab	83.35, 7.07, 19.77
CIElCh	83, 21.000, 70.317
Yxy	62.8284, 0.3628, 0.3634
Android (android.graphics.Color)	4293642923 (0xFFEBCAAB)
YUV	208.3330, -18.4052, 23.3870
Hunter-Lab	79.2643, 2.5406, 20.0677

Details

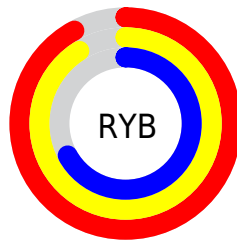
The RYB color **235, 231, 171** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **171, 193, 235**, and the grayscale version is **208, 208, 208**.

A 20% lighter version of the original color is **226, 255, 226**, and **178, 176, 119** is the 20% darker color. If you saturate the color by 10%, you get **235, 231, 147**, and if you desaturate by 10%, it is **235, 231, 195**.

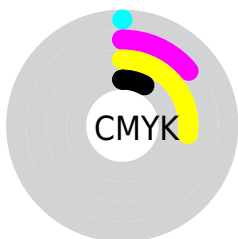
Distribution



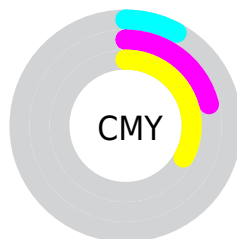
- Red (92%)
- Green (79%)
- Blue (67%)



- Red (92%)
- Yellow (91%)
- Blue (67%)



- Cyan (0%)
- Magenta (14%)
- Yellow (27%)
- Black (8%)



- Cyan (8%)
- Magenta (21%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 235, 231, 171 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 235, 231, 171 by changing the saturation by 10% instead.

 235, 231, 171


255, 255, 255

 226, 255, 226

 235, 231, 171

 206, 206, 144

 178, 176, 119

 151, 149, 94

 125, 123, 70

 95, 99, 47

 70, 74, 26

 36, 51, 0

 28, 8, 0

 0, 0, 0

■ 235, 231, 171

■ 235, 231, 171

■ 235, 231, 147

■ 235, 231, 195

■ 235, 229, 124

■ 235, 233, 218

■ 235, 227, 101

■ 235, 237, 242

■ 235, 223, 77

■ 235, 244, 255

■ 235, 222, 54

■ 235, 245, 255

■ 235, 221, 30

■ 235, 221, 6

■ 235, 221, 0

Harmonies

Analogous

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



247, 199, 183



235, 231, 171



177, 216, 169

Triad

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



235, 231, 171



157, 189, 219



220, 200, 238

Complementary

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



235, 231, 171



171, 193, 235

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.



194, 204, 246



235, 231, 171



156, 190, 232

Square

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



235, 231, 171



172, 203, 218



170, 197, 244



239, 195, 221

Rectangle

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



235, 231, 171



173, 213, 185



170, 197, 244



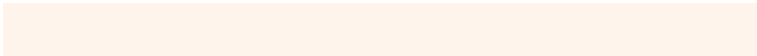
212, 203, 242

Sweetspot

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



235, 231, 171



255, 251, 235



235, 171, 204



128, 126, 115



0, 0, 0



128, 128, 128

Same Dimension

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



235, 231, 171



255, 251, 171



172, 235, 171



117, 115, 106



181, 171, 0



54, 50, 0

Inverse Universe

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



171, 193, 235



171, 199, 255



171, 172, 235



106, 110, 117



0, 61, 181



0, 18, 54

Previews

White Background



This preview shows how the RYB color 235, 231, 171 looks on a white background.

Color Contrast Check

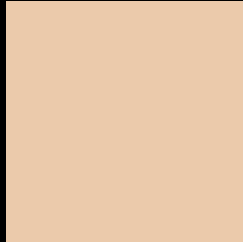
Large Text (above 18pt) WCAG AA × Fail

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 235, 231, 171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

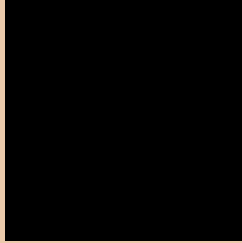
Any Text WCAG AA ✓ Pass

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 235, 231, 171 Background



This preview shows how black text looks on a background with the RYB color 235, 231, 171.






This preview shows how white text looks on a background with the RYB color 235, 231, 171.

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](#).

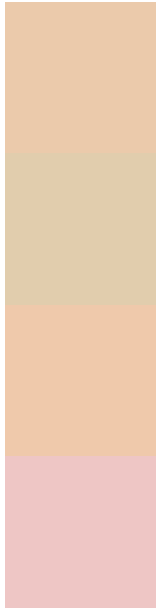
Dichromacy

	Original Color 235, 231, 171
	Protanopia 190, 219, 174
	Deuteranopia 241, 221, 171



Tritanopia
240, 196, 212

Trichromacy



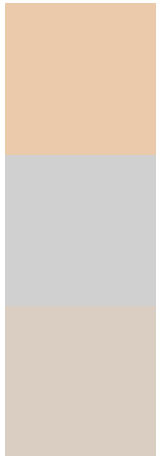
Original Color
235, 231, 171

Protanomaly
206, 225, 173

Deuteranomaly
239, 225, 171

Tritanomaly
238, 198, 197

Monochromacy



Original Color
235, 231, 171

Achromatopsia
208, 208, 208

Achromatomaly
218, 216, 195

CSS Examples

Text

The CSS property to change the color of the text to RYB 235, 202, 171 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(235, 202, 171) looks like.

```
.text, #text, p{  
    color:rgb(235, 202, 171)  
}
```

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(235, 202, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 202, 171) }
```

Border

The CSS property to change the border of an element to RYB 235, 231, 171 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(235, 202, 171) }
```

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

```
.border{ border-color:rgb(235, 202, 171) }
```

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

Here you see how a box with a 4 pixel rgb(235, 202, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 202, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 202, 171);  
box-shadow:4px 4px 4px 4px rgb(235, 202,  
171) }
```

Background

The CSS property to change the background color of an element to RYB 235, 231, 171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 202, 171) }
```

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

```
.background{ background-color: rgb(235,  
202, 171) }
```

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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