

Converting Colors

`RYB(234, 240, 175)`

Have a look what the booklet for
RYB(234, 240, 175) contains.

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Color

R_YB(234, 240, 175)

Conversions

Conversions Part 1

Format	Color
Hex	F0D1AF
RGB	240, 209, 175
RGB Percent	94%, 82%, 69%
CMY	0.0588, 0.1801, 0.3137
CMYK	0.00, 0.13, 0.27, 0.06
HSL	31°, 68%, 81%
HSV	31°, 27%, 94%
XYZ	66.4913, 67.2570, 50.0349
YIQ	214.3930, 29.3900, -4.0020

Conversions

Conversions Part 2

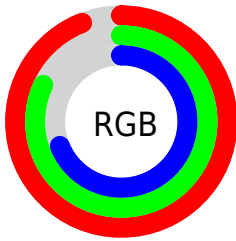
Format	Color
RYB	234, 240, 175
Decimal	15782319
CIELab	85.63, 5.78, 20.89
CIELCh	86, 21.680, 74.527
Yxy	67.2570, 0.3618, 0.3660
Android (android.graphics.Color)	4293972399 (0xFFFF0D1AF)
YUV	214.3930, -19.4207, 22.4573
Hunter-Lab	82.0103, 1.2039, 21.2342

Details

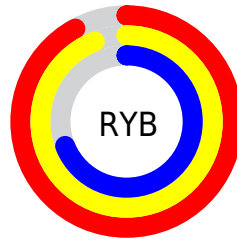
The RYB color **234, 240, 175** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **175, 196, 240**, and the grayscale version is **215, 215, 215**.

A 20% lighter version of the original color is **231, 255, 231**, and **174, 183, 122** is the 20% darker color. If you saturate the color by 10%, you get **231, 240, 151**, and if you desaturate by 10%, it is **238, 240, 199**.

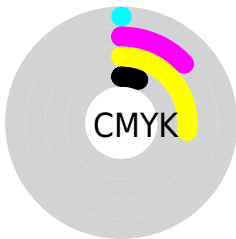
Distribution



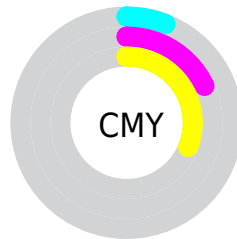
- Red (94%)
- Green (82%)
- Blue (69%)



- Red (92%)
- Yellow (94%)
- Blue (69%)



- Cyan (0%)
- Magenta (13%)
- Yellow (27%)
- Black (6%)



- Cyan (6%)
- Magenta (18%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 234, 240, 175 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, 240, 175 by changing the saturation by 10% instead.

 234, 240, 175

255, 255, 255


 231, 255, 231

 234, 240, 175

 202, 211, 148

 174, 183, 122

 147, 156, 97

 118, 129, 73

 92, 103, 51

 66, 78, 29

 36, 54, 5

 32, 28, 0

 0, 0, 0

 234, 240, 175

 234, 240, 175

 231, 240, 151

 238, 240, 199

 230, 240, 127


 238, 240, 223


 227, 240, 103


 240, 242, 247

 227, 240, 79

 240, 248, 255

 223, 240, 55

 219, 240, 31

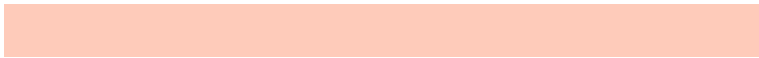
 219, 240, 7

 217, 240, 0

Harmonies

Analogous

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



254, 209, 186



234, 240, 175



178, 220, 174

Triad

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



234, 240, 175



160, 194, 226



230, 206, 243

Complementary

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



234, 240, 175



175, 196, 240

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.



204, 211, 253



234, 240, 175



161, 196, 242

Square

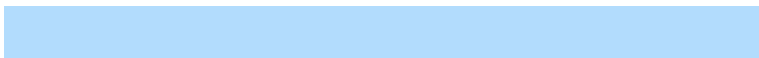
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



234, 240, 175



174, 207, 225



178, 205, 253



249, 201, 226

Rectangle

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



234, 240, 175



180, 220, 196



178, 205, 253



222, 208, 248

Sweetspot

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



234, 240, 175



255, 255, 235



240, 175, 206



128, 126, 115



0, 0, 0



128, 128, 128

Same Dimension

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



234, 240, 175



247, 255, 171



175, 240, 176



120, 120, 108



169, 184, 0



52, 56, 0

Inverse Universe

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



175, 196, 240



171, 198, 255



176, 175, 240



108, 112, 120



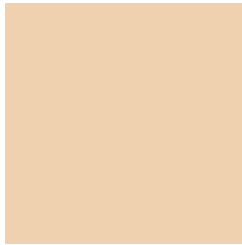
0, 59, 184



0, 18, 56

Previews

White Background



This preview shows how the RYB color 234, 240, 175 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, 240, 175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

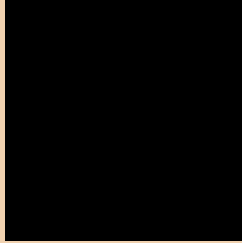
Any Text WCAG AA ✓ Pass

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 234, 240, 175 Background



This preview shows how black text looks on a background with the RYB color 234, 240, 175.





This preview shows how white text looks on a background with the RYB color 234, 240, 175.

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, 240, 175
	Protanopia 193, 226, 177
	Deuteranopia 248, 227, 176



Tritanopia
245, 203, 219

Trichromacy



Original Color

234, 240, 175

Protanomaly

205, 231, 176

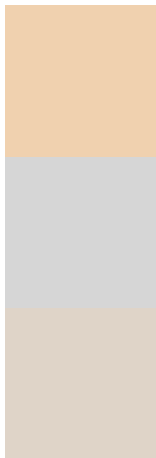
Deuteranomaly

245, 232, 176

Tritanomaly

243, 205, 203

Monochromacy



Original Color

234, 240, 175

Achromatopsia

214, 214, 214

Achromatomaly

221, 223, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 234, 240, 175 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(240, 209, 175) looks like.

```
.text, #text, p{  
    color:rgb(240, 209, 175)  
}
```

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(240, 209, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 209, 175) }
```

Border

The CSS property to change the border of an element to RYB 234, 240, 175 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(240, 209, 175) }
```

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

```
.border{ border-color:rgb(240, 209, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 209, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 209, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 209, 175);  
box-shadow:4px 4px 4px 4px rgb(240, 209,  
175) }
```

Background

The CSS property to change the background color of an element to RGB 234, 240, 175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 209, 175) }
```

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

```
.background{ background-color: rgb(240,  
209, 175) }
```

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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