

# Converting Colors

`RYB(234, 215, 229)`

Have a look what the booklet for  
RYB(234, 215, 229) contains.

<b>RYB(234, 215, 229)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# **Color**

**R<sub>Y</sub>B(234, 215, 229)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAD7E5
RGB	234, 215, 229
RGB Percent	92%, 84%, 90%
CMY	0.0824, 0.1569, 0.1020
CMYK	0.00, 0.08, 0.02, 0.08
HSL	316°, 31%, 88%
HSV	316°, 8%, 92%
XYZ	72.3750, 71.7504, 84.1634
YIQ	222.2770, 6.8300, 8.3820

# Conversions

## Conversions Part 2

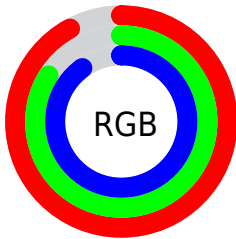
Format	Color
<a href="#">RYB</a>	<a href="#">234, 215, 229</a>
Decimal	<a href="#">15390693</a>
CIELab	<a href="#">87.85, 8.96, -4.50</a>
CIELCh	<a href="#">88, 10.027, 333.337</a>
Yxy	<a href="#">71.7504, 0.3170, 0.3143</a>
Android (android.graphics.Color)	<a href="#">4293580773</a> ( <a href="#">0xFFEAD7E5</a> )
YUV	<a href="#">222.2770, 3.3144, 10.2811</a>
Hunter-Lab	<a href="#">84.7056, 4.2808, 0.3835</a>

# Details

The RYB color **234, 215, 229** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **215, 230, 234**, and the grayscale version is **222, 222, 222**.

A 20% lighter version of the original color is **255, 255, 255**, and **178, 160, 174** is the 20% darker color. If you saturate the color by 10%, you get **234, 192, 223**, and if you desaturate by 10%, it is **234, 237, 238**.

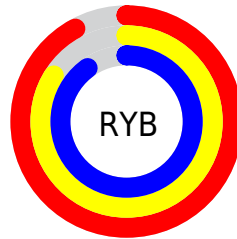
# Distribution



Red (92%)

Green (84%)

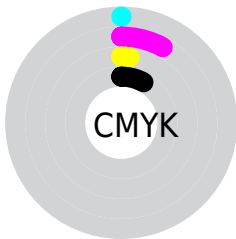
Blue (90%)



Red (92%)

Yellow (84%)

Blue (90%)

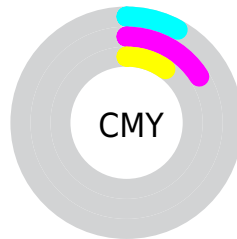


Cyan (0%)

Magenta (8%)

Yellow (2%)

Black (8%)



Cyan (8%)

Magenta (16%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 234, 215, 229 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, 215, 229 by changing the saturation by 10% instead.



■ 234, 215, 229

255, 255, 255

■ 234, 215, 229

■ 206, 187, 201

■ 178, 160, 174

■ 151, 134, 147

■ 126, 109, 121

■ 101, 84, 96

■ 77, 61, 73


■ 54, 39, 50

■ 32, 19, 29


■ 0, 0, 2

 234, 215, 229

 234, 215, 229

 234, 192, 223

 234, 237, 238

 234, 168, 217

 234, 250, 255

 234, 145, 211

 234, 247, 255


 234, 121, 204

 234, 245, 255

 234, 98, 198

 234, 245, 255

 234, 75, 192

 234, 51, 186

 234, 28, 180

 234, 4, 174

# Harmonies

## Analogous

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



224, 218, 236



234, 215, 229



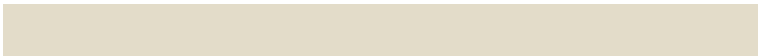
240, 214, 219

# Triad

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



234, 215, 229



211, 227, 201



197, 212, 230

# Complementary

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



234, 215, 229



215, 230, 234

# 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.



199, 214, 226



234, 215, 229



204, 223, 211

# Square

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



234, 215, 229



236, 226, 204



206, 221, 225



202, 216, 237

# Rectangle

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



234, 215, 229



241, 214, 213



206, 221, 225



197, 212, 227



# Sweetspot

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



234, 215, 229



255, 250, 254



220, 215, 234



128, 125, 127



0, 0, 0



128, 128, 128



# Same Dimension

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



234, 215, 229



255, 230, 248



234, 215, 220



117, 106, 114



181, 0, 133



54, 0, 39



# Inverse Universe

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



234, 215, 229



255, 230, 248



215, 226, 234



117, 106, 114



181, 0, 133

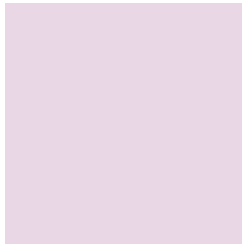


54, 0, 39



# Previews

## White Background



This preview shows how the RYB color 234, 215, 229 looks on a white background.

## Color Contrast Check

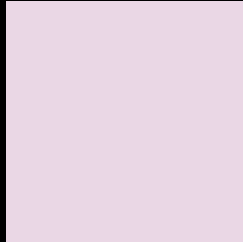
Large Text (above 18pt) WCAG AA × Fail

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, 215, 229 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

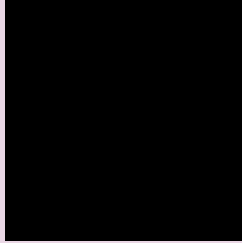
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

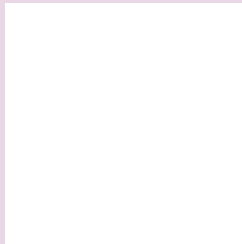
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 234, 215, 229 Background**



This preview shows how black text looks on a background with the RYB color 234, 215, 229.

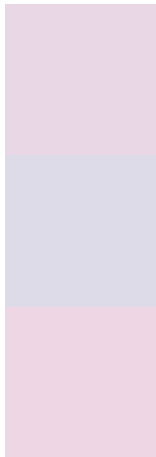


This preview shows how white text looks on a background with the RYB color 234, 215, 229.

# 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](#).

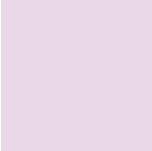
## Dichromacy



**Original Color**  
234, 215, 229

**Protanopia**  
221, 219, 231

**Deuteranopia**  
238, 214, 229



**Tritanopia**  
234, 215, 231

# Trichromacy



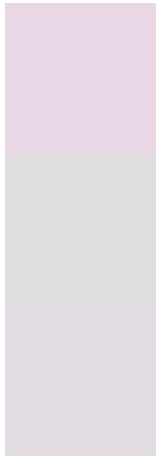
**Original Color**  
234, 215, 229

**Protanomaly**  
226, 218, 230

**Deuteranomaly**  
237, 214, 229

**Tritanomaly**  
234, 215, 230

# Monochromacy



**Original Color**  
234, 215, 229

**Achromatopsia**  
222, 222, 222

**Achromatomaly**  
226, 219, 225

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 234, 215, 229 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(234, 215, 229) looks like.

```
.text, #text, p{  
    color:rgb(234, 215, 229)  
}
```

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(234, 215, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 215, 229) }
```

## Border

The CSS property to change the border of an element to RYB 234, 215, 229 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(234, 215, 229) }
```

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

```
.border{ border-color:rgb(234, 215, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 215, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 215, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 215, 229);  
box-shadow:4px 4px 4px 4px rgb(234, 215,  
229) }
```

# Background

The CSS property to change the background color of an element to RGB 234, 215, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 215, 229) }
```

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

```
.background{ background-color: rgb(234,  
215, 229) }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor