

# Converting Colors

`RYB(236, 213, 149)`

Have a look what the booklet for  
RYB(236, 213, 149) contains.

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# **Color**

**R<sub>Y</sub>B(236, 213, 149)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECBA95
RGB	236, 186, 149
RGB Percent	93%, 73%, 58%
CMY	0.0745, 0.2711, 0.4157
CMYK	0.00, 0.21, 0.37, 0.07
HSL	25°, 70%, 75%
HSV	25°, 37%, 93%
XYZ	57.5493, 55.0676, 36.0297
YIQ	196.7320, 41.6770, -0.9070

# Conversions

## Conversions Part 2

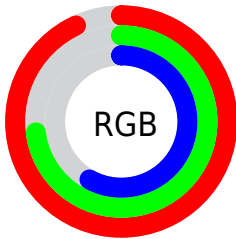
Format	Color
R <sub>Y</sub> B	236, 213, 149
Decimal	15514261
CIE Lab	79.08, 13.17, 25.60
CIE LCh	79, 28.786, 62.776
Yxy	55.0676, 0.3872, 0.3705
Android (android.graphics.Color)	4293704341 (0xFFECBA95)
YUV	196.7320, -23.5319, 34.4380
Hunter-Lab	74.2076, 8.5667, 23.1584

# Details

The RYB color **236, 213, 149** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **149, 181, 236**, and the grayscale version is **197, 197, 197**.

A 20% lighter version of the original color is **220, 255, 203**, and **179, 160, 98** is the 20% darker color. If you saturate the color by 10%, you get **236, 207, 125**, and if you desaturate by 10%, it is **236, 217, 173**.

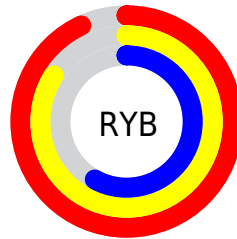
# Distribution



Red (93%)

Green (73%)

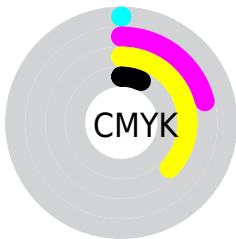
Blue (58%)



Red (93%)

Yellow (84%)

Blue (58%)

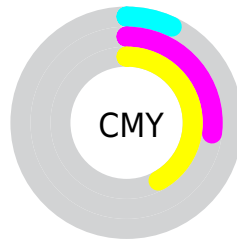


Cyan (0%)

Magenta (21%)

Yellow (37%)

Black (7%)



Cyan (7%)

Magenta (27%)

Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 236, 213, 149 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 236, 213, 149 by changing the saturation by 10% instead.




 236, 213, 149

 236, 213, 149


255, 255, 255

 207, 186, 123

 220, 255, 203

 179, 160, 98

 232, 255, 232

 151, 132, 74

 124, 108, 51

 97, 86, 29

 72, 70, 5

 47, 27, 0

 21, 0, 0

 0, 0, 0

 236, 213, 149


 236, 213, 149

 236, 207, 125

 236, 217, 173

 236, 201, 102

 236, 226, 196

 236, 194, 78

 236, 232, 220

 236, 186, 55

 236, 239, 243

 236, 182, 31

 236, 245, 255

 236, 175, 7

 236, 246, 255

 236, 174, 0

# Harmonies

## Analogous

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



249, 181, 168



236, 213, 149



166, 213, 142

# Triad

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



236, 213, 149



127, 173, 211



203, 188, 241

# Complementary

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



236, 213, 149



149, 181, 236

# 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.



166, 189, 249



236, 213, 149



116, 166, 224

# Square

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



236, 213, 149



153, 195, 209



132, 176, 243



232, 180, 221

# Rectangle

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



236, 213, 149



146, 200, 152



132, 176, 243



191, 191, 245

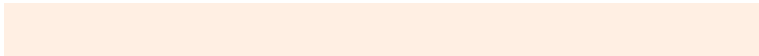


# Sweetspot

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



236, 213, 149



255, 248, 227



236, 149, 200



128, 123, 111



0, 0, 0



128, 128, 128



# Same Dimension

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



236, 213, 149



255, 224, 143



157, 236, 149



117, 115, 106



181, 134, 0



54, 40, 0

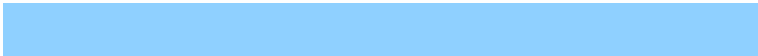


# Inverse Universe

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



149, 181, 236



143, 184, 255



149, 155, 236



106, 110, 117



0, 66, 181



0, 20, 54



# Previews

## White Background



This preview shows how the RYB color 236, 213, 149 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 236, 213, 149 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

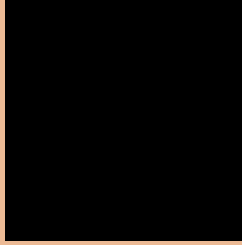
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 236, 213, 149 Background**



This preview shows how black text looks on a background with the RYB color 236, 213, 149.




This preview shows how white text looks on a background with the RYB color 236, 213, 149.

# 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

	<b>Original Color</b> 236, 213, 149
	<b>Protanopia</b> 171, 209, 154
	<b>Deuteranopia</b> 231, 223, 149



**Tritanopia**  
241, 180, 194

# Trichromacy



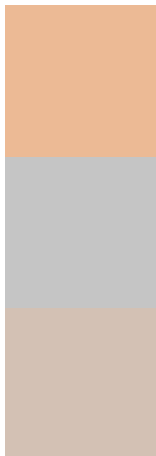
**Original Color**  
236, 213, 149

**Protanomaly**  
197, 219, 152

**Deuteranomaly**  
233, 218, 149

**Tritanomaly**  
239, 182, 178

# Monochromacy



**Original Color**  
236, 213, 149

**Achromatopsia**  
197, 197, 197

**Achromatomaly**  
211, 202, 180

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 236, 213, 149 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(236, 186, 149) looks like.

```
.text, #text, p{  
    color:rgb(236, 186, 149)  
}
```

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(236, 186, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 186, 149) }
```

## Border

The CSS property to change the border of an element to RYB 236, 213, 149 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(236, 186, 149) }
```

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

```
.border{ border-color:rgb(236, 186, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 186, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 186, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 186, 149);  
box-shadow:4px 4px 4px 4px rgb(236, 186,  
149) }
```

# Background

The CSS property to change the background color of an element to RGB 236, 186, 149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 186, 149) }
```

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

```
.background{ background-color: rgb(236,  
186, 149) }
```

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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