

# Converting Colors

`RYB(231, 238, 196)`

Have a look what the booklet for  
RYB(231, 238, 196) contains.

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# **Color**

**R<sub>Y</sub>B(231, 238, 196)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEDBC4
RGB	238, 219, 196
RGB Percent	93%, 86%, 77%
CMY	0.0667, 0.1415, 0.2314
CMYK	0.00, 0.08, 0.18, 0.07
HSL	33°, 55%, 85%
HSV	33°, 18%, 93%
XYZ	70.5315, 72.7783, 62.5548
YIQ	222.0590, 18.7070, -3.1250

# Conversions

## Conversions Part 2

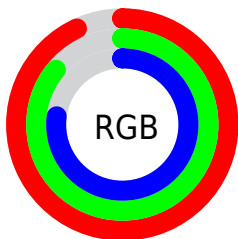
Format	Color
R <sub>Y</sub> B	231, 238, 196
Decimal	15653828
CIE Lab	88.34, 2.92, 13.64
CIE LCh	88, 13.946, 77.898
Yxy	72.7783, 0.3426, 0.3535
Android (android.graphics.Color)	4293843908 (0xFFEEDBC4)
YUV	222.0590, -12.8471, 13.9803
Hunter-Lab	85.3102, -1.7152, 16.2420

# Details

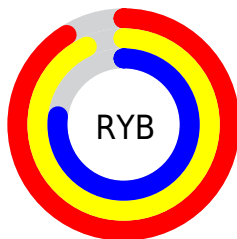
The RYB color **231, 238, 196** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **196, 209, 238**, and the grayscale version is **222, 222, 222**.

A 20% lighter version of the original color is **253, 255, 253**, and **175, 182, 142** is the 20% darker color. If you saturate the color by 10%, you get **227, 238, 172**, and if you desaturate by 10%, it is **234, 238, 220**.

# Distribution



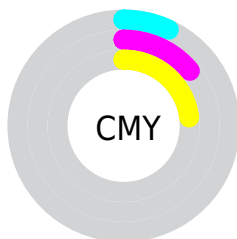
- Red (93%)
- Green (86%)
- Blue (77%)



- Red (91%)
- Yellow (93%)
- Blue (77%)



- Cyan (0%)
- Magenta (8%)
- Yellow (18%)
- Black (7%)




- Cyan (7%)
- Magenta (14%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 231, 238, 196 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 231, 238, 196 by changing the saturation by 10% instead.



 231, 238, 196

255, 255, 255


253, 255, 253

 231, 238, 196


 204, 210, 169

 175, 182, 142


 148, 155, 117

 121, 128, 92

 94, 103, 68

 70, 79, 46

 45, 55, 25

 21, 35, 0

 0, 0, 0

 231, 238, 196

 231, 238, 196

 227, 238, 172

 234, 238, 220

 223, 238, 148


 238, 240, 244

 221, 238, 125


 238, 245, 255


 214, 238, 101

 238, 247, 255

 211, 238, 77

 207, 238, 53

 203, 238, 29

 201, 238, 6

 198, 238, 0

# Harmonies

## Analogous

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



248, 220, 202



231, 238, 196



197, 224, 196

# Triad

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



231, 238, 196



189, 210, 230



234, 216, 240

# Complementary

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



231, 238, 196



196, 209, 238

# 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.



218, 220, 247



231, 238, 196



191, 212, 241

# Square

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



231, 238, 196



196, 217, 229



202, 217, 247



246, 213, 228

# Rectangle

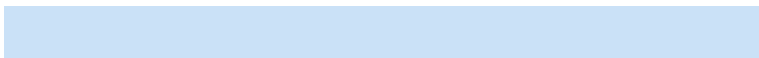
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



231, 238, 196



201, 226, 213



202, 217, 247



229, 217, 243



# Sweetspot

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



231, 238, 196



253, 255, 242



238, 196, 216



128, 128, 120



0, 0, 0



128, 128, 128

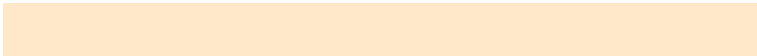


# Same Dimension

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



231, 238, 196



244, 255, 201



196, 238, 197



120, 120, 108



155, 184, 0



45, 56, 0

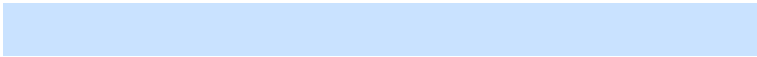


# Inverse Universe

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



196, 209, 238



201, 218, 255



197, 196, 238



108, 112, 120



0, 57, 184

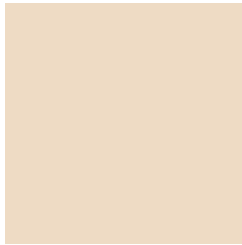


0, 18, 56



# Previews

## White Background



This preview shows how the RYB color 231, 238, 196 looks on a white background.

## Color Contrast Check

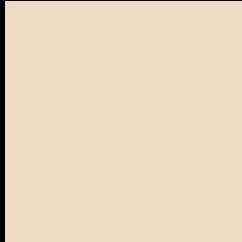
Large Text (above 18pt) WCAG AA × Fail

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 231, 238, 196 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

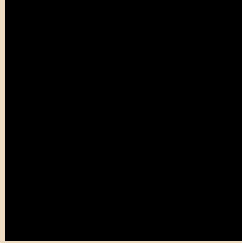
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 231, 238, 196 Background**



This preview shows how black text looks on a background with the RYB color 231, 238, 196.

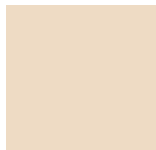
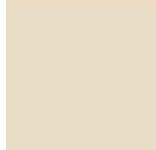


This preview shows how white text looks on a background with the RYB color 231, 238, 196.

# 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> 231, 238, 196
	<b>Protanopia</b> 211, 231, 197
	<b>Deuteranopia</b> 252, 222, 197



**Tritanopia**  
243, 214, 231

# Trichromacy



**Original Color**

231, 238, 196

**Protanomaly**

220, 234, 197

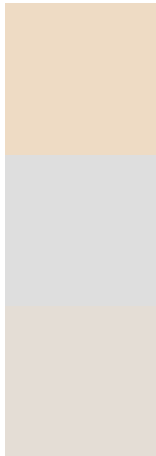
**Deuteranomaly**

247, 228, 197

**Tritanomaly**

241, 216, 218

# Monochromacy



**Original Color**

231, 238, 196

**Achromatopsia**

222, 222, 222

**Achromatomaly**

226, 228, 213

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 231, 238, 196 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(238, 219, 196) looks like.

```
.text, #text, p{  
    color:rgb(238, 219, 196)  
}
```

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(238, 219, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 219, 196) }
```

## Border

The CSS property to change the border of an element to RYB 231, 238, 196 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(238, 219, 196) }
```

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

```
.border{ border-color:rgb(238, 219, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 219, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 219, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 219, 196);  
box-shadow:4px 4px 4px 4px rgb(238, 219,  
196) }
```

# Background

The CSS property to change the background color of an element to RGB 238, 219, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 219, 196) }
```

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

```
.background{ background-color: rgb(238,  
219, 196) }
```

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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