

# Converting Colors

RGB(248, 231, 196)



Have a look what the booklet for  
RGB(248, 231, 196) contains.

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# Color

**RGB(248, 231, 196)**



# Conversions

Conversions Part 1	
Format	Color
Hex	F8E7C4
RGB	248, 231, 196
RGB Percent	97%, 91%, 77%
CMY	0.0275, 0.0941, 0.2314
CMYK	0.00, 0.07, 0.21, 0.03
HSL	40°, 79%, 87%
HSV	40°, 21%, 97%
XYZ	77.2511, 81.0938, 63.8057
YIQ	232.0930, 21.3670, -7.2810



# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">221, 248, 196</a>
Decimal	<a href="#">16312260</a>
CIELab	<a href="#">92.17, 0.35, 19.14</a>
CIELCh	<a href="#">92, 19.145, 88.951</a>
Yxy	<a href="#">81.0938, 0.3477, 0.3650</a>
Android (android.graphics.Color)	<a href="#">4294502340</a> (0xFFFF8E7C4)
YUV	<a href="#">232.0930, -17.7938, 13.9504</a>
Hunter-Lab	<a href="#">90.0521, -4.4651, 21.0270</a>



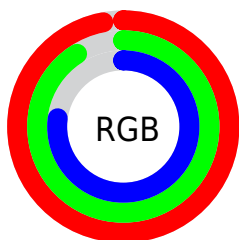
# Details

The RGB color **248, 231, 196** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **196, 213, 248**, and the grayscale version is **232, 232, 232**.

A 20% lighter version of the original color is **255, 255, 253**, and **191, 176, 142** is the 20% darker color. If you saturate the color by 10%, you get **248, 223, 171**, and if you desaturate by 10%, it is **248, 239, 221**.



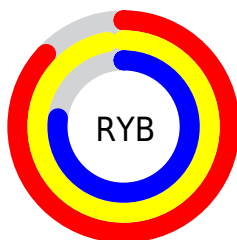
# Distribution



Red (97%)

Green (91%)

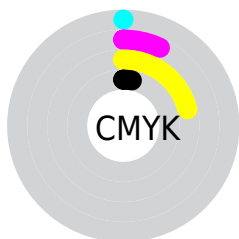
Blue (77%)



Red (87%)

Yellow (97%)

Blue (77%)

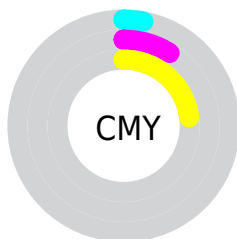


Cyan (0%)

Magenta (7%)

Yellow (21%)

Black (3%)



Cyan (3%)

Magenta (9%)

Yellow (23%)



# Brightness & Saturation Gradients

These gradients show how the RGB color 248, 231, 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 RGB color 248, 231, 196 by changing the saturation by 10% instead.




 248, 231, 196

255, 255, 255

255, 255, 253

 248, 231, 196

 219, 203, 169

 191, 176, 142

 164, 149, 117

 137, 123, 92

 111, 98, 68

 86, 75, 45

 62, 52, 24

 41, 31, 0

 13, 7, 0



 248, 231, 196

 248, 231, 196

 248, 223, 171


 248, 239, 221


 248, 215, 146


 248, 247, 246


 248, 207, 122

 248, 255, 255

 248, 199, 97

 248, 190, 72

 248, 182, 47

 248, 174, 22

 248, 167, 0



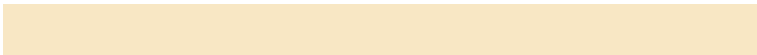
# Harmonies

## Analogous

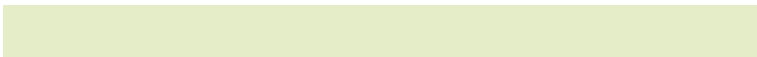
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



255, 225, 202



248, 231, 196



228, 237, 200



# Triad

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



248, 231, 196



185, 243, 250

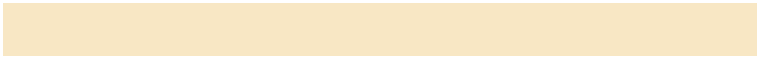


255, 223, 252



# Complementary

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



248, 231, 196



196, 213, 248



# Split Complementary

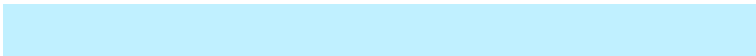
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



235, 228, 255



248, 231, 196

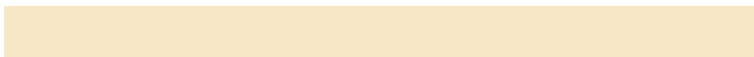


192, 240, 255

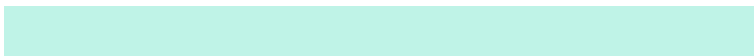


# Square

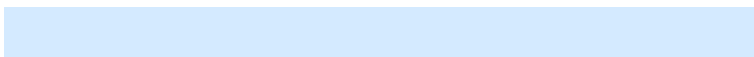
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



248, 231, 196



191, 243, 231



212, 234, 255



255, 220, 234

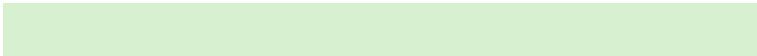


# Rectangle

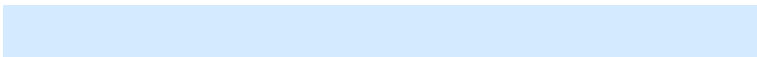
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



248, 231, 196



214, 240, 208



212, 234, 255



250, 224, 255

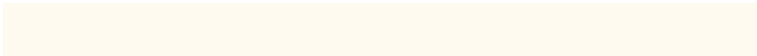


# Sweetspot

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



248, 231, 196



255, 250, 240



248, 196, 213



128, 125, 119



0, 0, 0



128, 128, 128





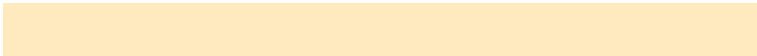


# Same Dimension

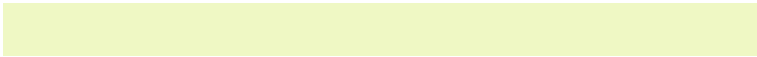
The Same Dimension uses a secret algorithm to generate beautiful new colors.



248, 231, 196



255, 234, 191



239, 248, 196



125, 121, 112



189, 127, 0



61, 41, 0







# Inverse Universe

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



196, 213, 248



191, 212, 255



205, 196, 248



112, 117, 125



0, 62, 189



0, 20, 61

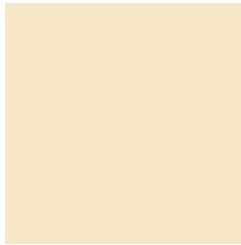






# Previews

## White Background



This preview shows how the RGB color 248, 231, 196 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

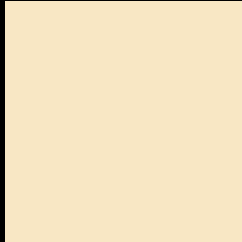
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the RGB color 248, 231, 196 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

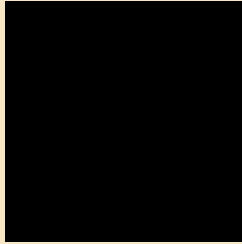
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RGB 248, 231, 196 Background



This preview shows how black text looks on a background with the RGB color 248, 231, 196.



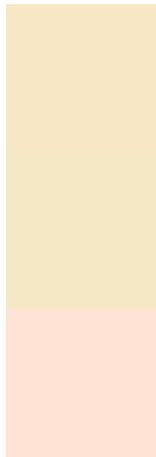
This preview shows how white text looks on a background with the RGB color 248, 231, 196.



# 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



**Original Color**

248, 231, 196

**Protanopia**

245, 232, 196

**Deuteranopia**

255, 227, 212





## **Tritanopia**

254, 224, 242



# Trichromacy

	<b>Original Color</b> 248, 231, 196
	<b>Protanomaly</b> 246, 232, 196
	<b>Deuteranomaly</b> 252, 228, 206
	<b>Tritanomaly</b> 252, 227, 225

# Monochromacy

	<b>Original Color</b> 248, 231, 196
	<b>Achromatopsia</b> 232, 232, 232
	<b>Achromatomaly</b> 238, 232, 219



# CSS Examples

## Text

The CSS property to change the color of the text to RGB 248, 231, 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(248, 231, 196) looks like.

```
.text, #text, p{  
    color:rgb(248, 231, 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(248, 231, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 231, 196) }
```

## Border

The CSS property to change the border of an element to RGB 248, 231, 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(248, 231, 196) }
```



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

```
.border{ border-color:rgb(248, 231, 196) }
```

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

Here you see how a box with a 4 pixel rgb(248, 231, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 231, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 231, 196);  
box-shadow:4px 4px 4px 4px rgb(248, 231,  
196) }
```



# Background

The CSS property to change the background color of an element to RGB 248, 231, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 231, 196) }
```

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

```
.background{ background-color: rgb(248,  
231, 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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