

# Converting Colors

`RYB(253, 247, 237)`

Have a look what the booklet for  
RYB(253, 247, 237) contains.

<b>RYB(253, 247, 237)</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(253, 247, 237)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDF3ED
RGB	253, 243, 237
RGB Percent	99%, 95%, 93%
CMY	0.0078, 0.0465, 0.0706
CMYK	0.00, 0.04, 0.06, 0.01
HSL	23°, 80%, 96%
HSV	23°, 6%, 99%
XYZ	87.8907, 91.1904, 93.0899
YIQ	245.3060, 7.8860, 0.2540

# Conversions

## Conversions Part 2

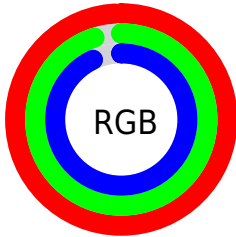
Format	Color
R <sub>Y</sub> B	253, 247, 237
Decimal	16643053
CIE Lab	96.49, 2.26, 4.12
CIE LCh	96, 4.703, 61.292
Yxy	91.1904, 0.3229, 0.3350
Android (android.graphics.Color)	4294833133 (0xFFFD3ED)
YUV	245.3060, -4.0949, 6.7476
Hunter-Lab	95.4937, -2.8255, 9.0480

# Details

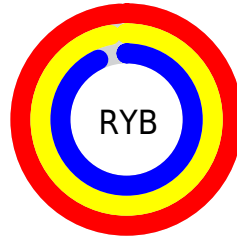
The RYB color **253, 247, 237** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **237, 243, 253**, and the grayscale version is **245, 245, 245**.

A 20% lighter version of the original color is **255, 255, 255**, and **196, 191, 181** is the 20% darker color. If you saturate the color by 10%, you get **253, 238, 212**, and if you desaturate by 10%, it is **253, 254, 255**.

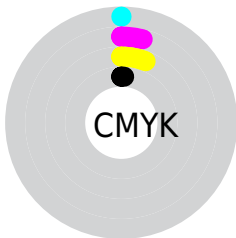
# Distribution



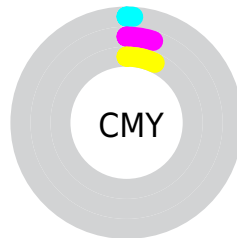
- Red (99%)
- Green (95%)
- Blue (93%)



- Red (99%)
- Yellow (97%)
- Blue (93%)



- Cyan (0%)
- Magenta (4%)
- Yellow (6%)
- Black (1%)



- Cyan (1%)
- Magenta (5%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 253, 247, 237 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 253, 247, 237 by changing the saturation by 10% instead.



 253, 247, 237

255, 255, 255

 253, 247, 237

 224, 219, 209

 196, 191, 181

 169, 164, 154

 143, 138, 128

 117, 114, 103

 92, 87, 79

 69, 64, 56

 46, 44, 35

 26, 24, 13

253, 247, 237

253, 247, 237

253, 238, 212

253, 254, 255

253, 228, 186

253, 217, 161

253, 209, 136

253, 198, 111

253, 191, 85

253, 180, 60

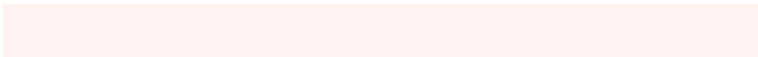
253, 172, 35

253, 162, 9

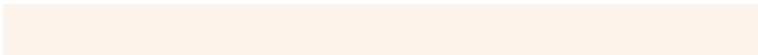
# Harmonies

## Analogous

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



255, 242, 240



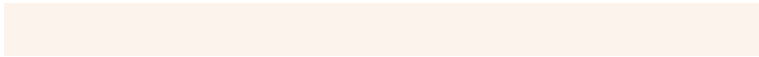
253, 247, 237



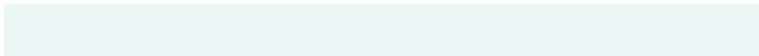
242, 249, 236

# Triad

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



253, 247, 237



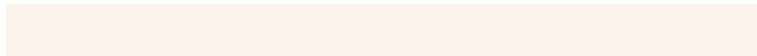
235, 242, 248



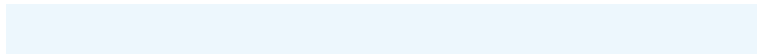
246, 244, 253

# Complementary

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



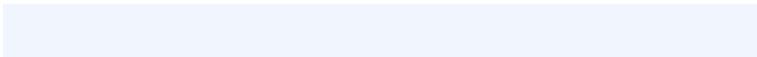
253, 247, 237



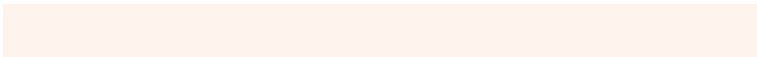
237, 243, 253

# Split Complementary

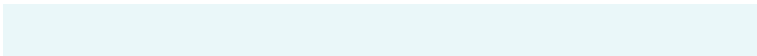
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



241, 244, 254



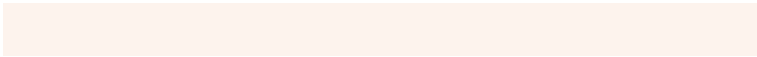
253, 247, 237



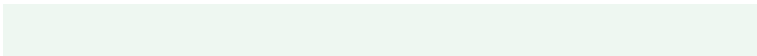
234, 241, 249

# Square

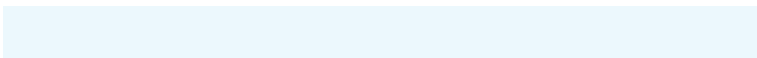
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



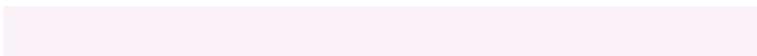
253, 247, 237



238, 245, 247



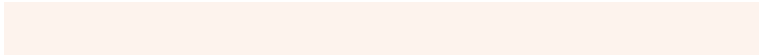
236, 243, 253



251, 242, 249

# Rectangle

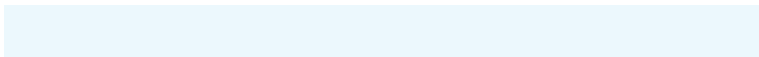
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



253, 247, 237



236, 246, 237



236, 243, 253

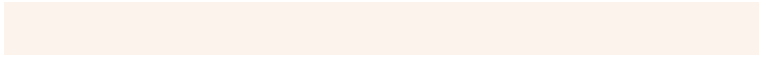


244, 244, 253



# Sweetspot

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



253, 247, 237



255, 253, 250



253, 237, 247



128, 127, 125



0, 0, 0

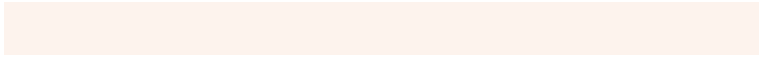


128, 128, 128

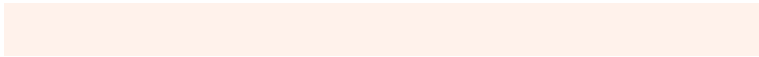


# Same Dimension

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



253, 247, 237



255, 246, 235



239, 253, 237



128, 123, 115



191, 121, 0

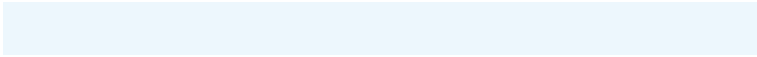


64, 41, 0

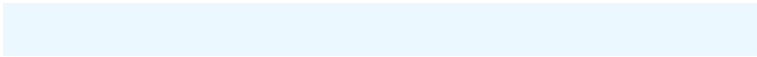


# Inverse Universe

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



237, 243, 253



235, 243, 255



237, 239, 253



115, 120, 128



0, 73, 191

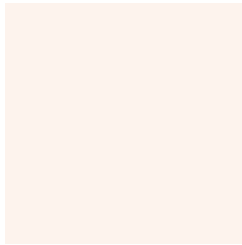


0, 24, 64



# Previews

## White Background



This preview shows how the RYB color 253, 247, 237 looks on a white background.

## Color Contrast Check

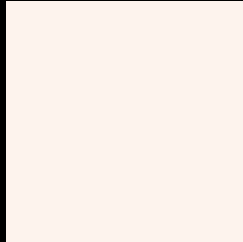
Large Text (above 18pt) WCAG AA × Fail

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 253, 247, 237 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

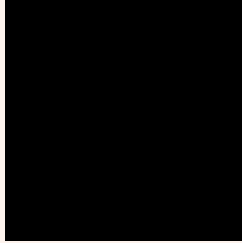
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 253, 247, 237 Background**



This preview shows how black text looks on a background with the RYB color 253, 247, 237.

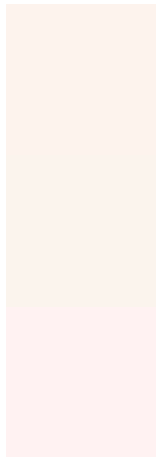


This preview shows how white text looks on a background with the RYB color 253, 247, 237.

# 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**  
253, 247, 237

**Protanopia**  
251, 251, 237

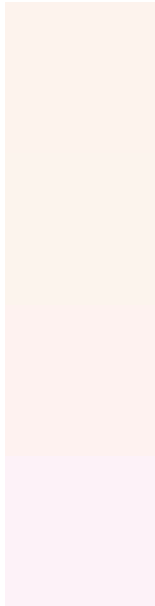
**Deuteranopia**  
255, 242, 242



# Tritanopia

253, 241, 255

# Trichromacy



## Original Color

253, 247, 237

## Protanomaly

252, 250, 237

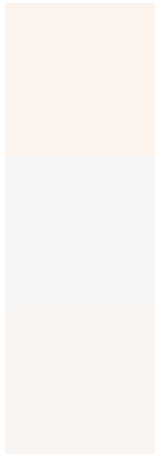
## Deuteranomaly

254, 242, 240

## Tritanomaly

253, 242, 248

# Monochromacy



## Original Color

253, 247, 237

## Achromatopsia

245, 245, 245

## Achromatomaly

248, 245, 242

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 253, 247, 237 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(253, 243, 237) looks like.

```
.text, #text, p{  
    color:rgb(253, 243, 237)  
}
```

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(253, 243, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 243, 237) }
```

## Border

The CSS property to change the border of an element to RYB 253, 247, 237 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(253, 243, 237) }
```

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

```
.border{ border-color:rgb(253, 243, 237) }
```

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

Here you see how a box with a 4 pixel rgb(253, 243, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 243, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 243, 237);  
box-shadow:4px 4px 4px 4px rgb(253, 243,  
237) }
```

# Background

The CSS property to change the background color of an element to RYB 253, 247, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 243, 237) }
```

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

```
.background{ background-color: rgb(253,  
243, 237) }
```

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