

# Converting Colors

`RYB(253, 255, 240)`

Have a look what the booklet for  
RYB(253, 255, 240) contains.

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# Color

**R<sub>Y</sub>B(253, 255, 240)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF8F0
RGB	255, 248, 240
RGB Percent	100%, 97%, 94%
CMY	0.0000, 0.0273, 0.0588
CMYK	0.00, 0.03, 0.06, 0.00
HSL	32°, 100%, 97%
HSV	32°, 6%, 100%
XYZ	90.5466, 94.7080, 95.9462
YIQ	249.1810, 6.7400, -1.0040

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	253, 255, 240
Decimal	16775408
CIE <sub>Lab</sub>	97.92, 0.96, 4.66
CIE <sub>LCh</sub>	98, 4.763, 78.363
Yxy	94.7080, 0.3220, 0.3368
Android (android.graphics.Color)	4294965488 (0xFFFFF8F0)
YUV	249.1810, -4.5262, 5.1033
Hunter-Lab	97.3181, -4.2268, 9.6684

# Details

The RYB color 253, 255, 240 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 240, 245, 255, and the grayscale version is 249, 249, 249.

A 20% lighter version of the original color is 255, 255, 255, and 195, 198, 184 is the 20% darker color. If you saturate the color by 10%, you get 251, 255, 215, and if you desaturate by 10%, it is 255, 255, 255.

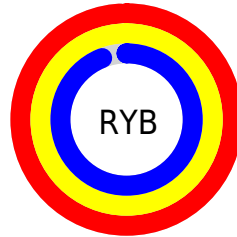
# Distribution



Red (100%)

Green (97%)

Blue (94%)



Red (99%)

Yellow (100%)

Blue (94%)



Cyan (0%)

Magenta (3%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (3%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 253, 255, 240 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, 255, 240 by changing the saturation by 10% instead.



 253, 255, 240


255, 255, 255

 253, 255, 240

 223, 226, 212


 195, 198, 184

 168, 171, 157

 142, 144, 131

 117, 119, 106

 94, 94, 82


 68, 70, 59

 46, 48, 37

 22, 27, 16

 253, 255, 240

 253, 255, 240

 251, 255, 215


255, 255, 255

 247, 255, 189

 240, 255, 163

 238, 255, 138

 236, 255, 113

 233, 255, 87

 229, 255, 61

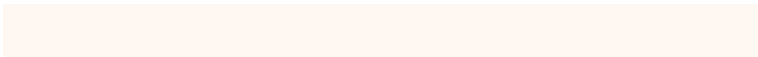
 227, 255, 36

 223, 255, 10

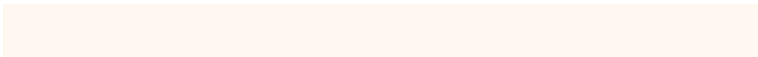
# Harmonies

## Analogous

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



255, 250, 242



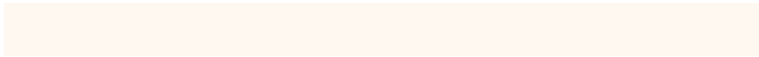
253, 255, 240



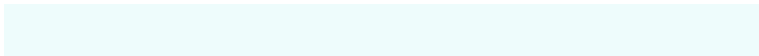
240, 250, 240

# Triad

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



253, 255, 240



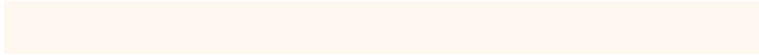
238, 245, 252



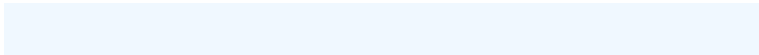
253, 247, 255

# Complementary

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



253, 255, 240



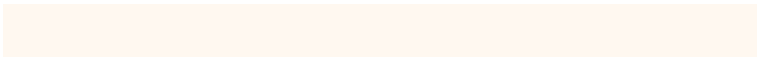
240, 245, 255

# Split Complementary

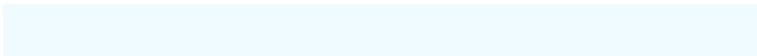
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



248, 248, 255



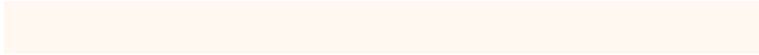
253, 255, 240



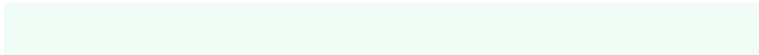
239, 246, 255

# Square

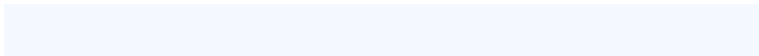
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



253, 255, 240



240, 248, 252



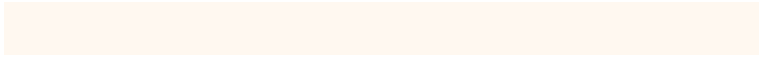
243, 247, 255



255, 246, 251

# Rectangle

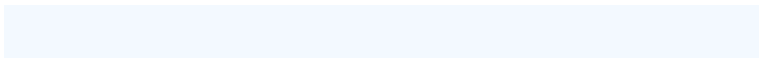
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



253, 255, 240



242, 251, 247



243, 247, 255



252, 247, 255



# Sweetspot

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



253, 255, 240



253, 255, 250



255, 240, 247



128, 127, 125



0, 0, 0



128, 128, 128

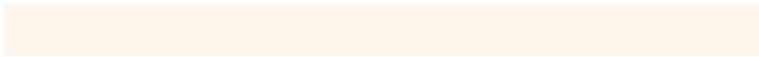


# Same Dimension

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



253, 255, 240



251, 255, 237



240, 255, 240



126, 128, 117



167, 191, 0

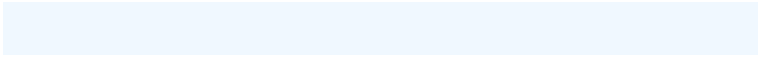


56, 64, 0

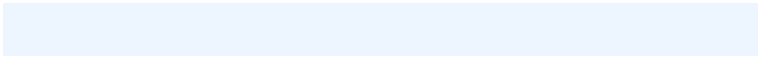


# Inverse Universe

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



240, 245, 255



237, 243, 255



241, 240, 255



117, 120, 128



0, 61, 191

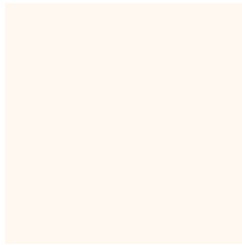


0, 20, 64



# Previews

## White Background



This preview shows how the RYB color 253, 255, 240 looks on a white background.

## Color Contrast Check

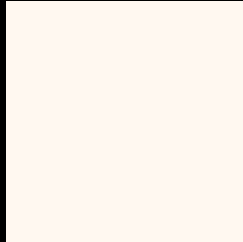
Large Text (above 18pt) WCAG AA × Fail

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, 255, 240 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

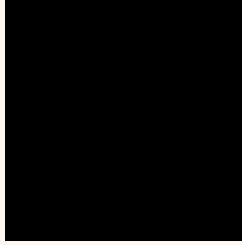
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 253, 255, 240 Background**



This preview shows how black text looks on a background with the RYB color 253, 255, 240.

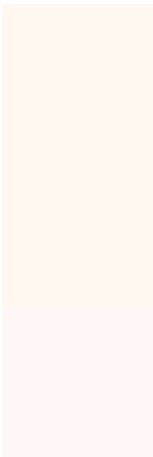


This preview shows how white text looks on a background with the RYB color 253, 255, 240.

# 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, 255, 240

**Protanopia**  
255, 255, 241

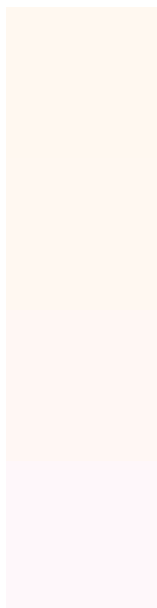
**Deuteranopia**  
255, 247, 247



# Tritanopia

253, 247, 255

# Trichromacy



## Original Color

253, 255, 240

## Protanomaly

255, 255, 241

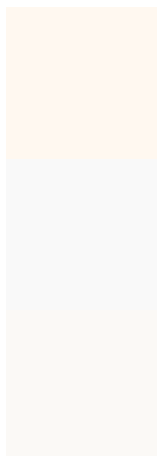
## Deuteranomaly

255, 248, 244

## Tritanomaly

254, 247, 250

# Monochromacy



## Original Color

253, 255, 240

## Achromatopsia

249, 249, 249

## Achromatomaly

249, 251, 246

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 253, 255, 240 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(255, 248, 240) looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 240)  
}
```

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(255, 248, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 240) }
```

## Border

The CSS property to change the border of an element to RYB 253, 255, 240 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(255, 248, 240) }
```

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

```
.border{ border-color:rgb(255, 248, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 248, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 248, 240); box-shadow:4px 4px 4px 4px rgb(255, 248, 240) }
```

# Background

The CSS property to change the background color of an element to RYB 253, 255, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 240) }
```

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

```
.background{ background-color: rgb(255,  
248, 240) }
```

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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