

# Converting Colors

`RYB(255, 235, 247)`

Have a look what the booklet for  
RYB(255, 235, 247) contains.

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# Color

**R<sub>Y</sub>B(255, 235, 247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEBF7
RGB	255, 235, 247
RGB Percent	100%, 92%, 97%
CMY	0.0000, 0.0784, 0.0314
CMYK	0.00, 0.08, 0.03, 0.00
HSL	324°, 100%, 96%
HSV	324°, 8%, 100%
XYZ	87.7368, 87.3921, 100.2398
YIQ	242.3480, 8.0680, 7.9720

# Conversions

## Conversions Part 2

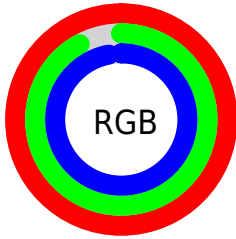
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 235, 247
Decimal	16772087
CIE Lab	94.90, 8.80, -3.35
CIE LCh	95, 9.417, 339.180
Yxy	87.3921, 0.3186, 0.3174
Android (android.graphics.Color)	4294962167 (0xFFFFEBF7)
YUV	242.3480, 2.2934, 11.0958
Hunter-Lab	93.4837, 3.9302, 1.8637

# Details

The RYB color `255, 235, 247` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `235, 249, 255`, and the grayscale version is `242, 242, 242`.

A 20% lighter version of the original color is `255, 255, 255`, and `198, 179, 191` is the 20% darker color. If you saturate the color by 10%, you get `255, 210, 237`, and if you desaturate by 10%, it is `255, 255, 255`.

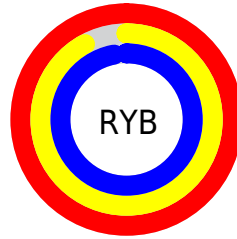
# Distribution



Red (100%)

Green (92%)

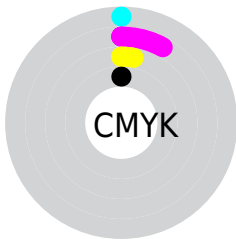
Blue (97%)



Red (100%)

Yellow (92%)

Blue (97%)

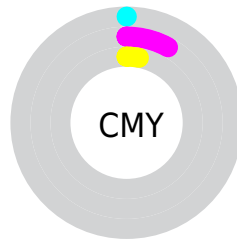


Cyan (0%)

Magenta (8%)

Yellow (3%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 255, 235, 247 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 255, 235, 247 by changing the saturation by 10% instead.




 255, 235, 247


 255, 235, 247

255, 255, 255

 226, 207, 219

 198, 179, 191


 171, 152, 164

 144, 127, 137

 119, 102, 112

 94, 78, 88

 70, 55, 64

 48, 33, 42

 27, 11, 22

 255, 235, 247

 255, 235, 247


 255, 210, 237

255, 255, 255


 255, 184, 227


 255, 158, 216

 255, 133, 206

 255, 107, 196

 255, 82, 186

 255, 57, 176

 255, 31, 165

 255, 6, 155

# Harmonies

## Analogous

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



246, 237, 254



255, 235, 247



255, 234, 238

# Triad

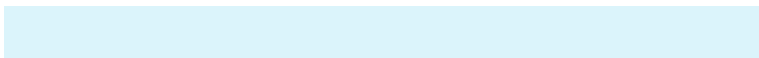
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



255, 235, 247



227, 245, 222



219, 233, 251

# Complementary

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



255, 235, 247



235, 249, 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.



219, 233, 246



255, 235, 247



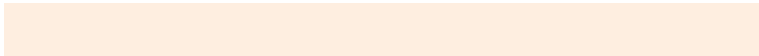
226, 243, 234

# Square

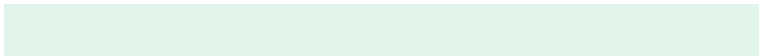
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



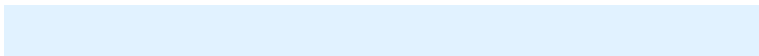
255, 235, 247



254, 250, 224



225, 239, 245



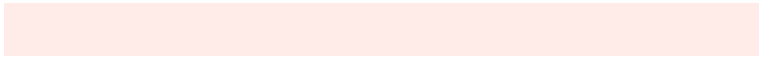
225, 236, 255

# Rectangle

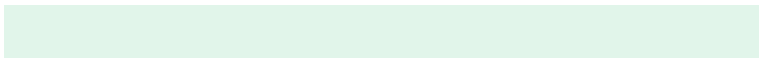
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



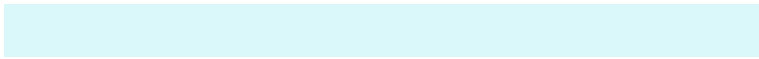
255, 235, 247



255, 235, 232



225, 239, 245



218, 233, 249



# Sweetspot

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



255, 235, 247



255, 250, 253



243, 235, 255



128, 125, 126



0, 0, 0



128, 128, 128



# Same Dimension

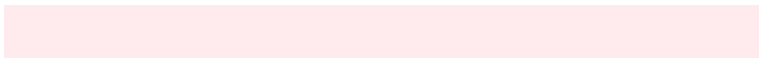
The Same Dimension uses a secret algorithm to generate beautiful new colors.



255, 235, 247



255, 232, 246



255, 235, 237



128, 115, 122



191, 0, 115



64, 0, 38



# Inverse Universe

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



255, 235, 247



255, 232, 246



235, 246, 255



128, 115, 122



191, 0, 115



64, 0, 38



# Previews

## White Background



This preview shows how the RYB color 255, 235, 247 looks on a white background.

## Color Contrast Check

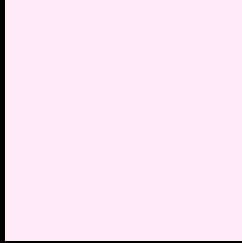
Large Text (above 18pt) WCAG AA × Fail

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 255, 235, 247 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

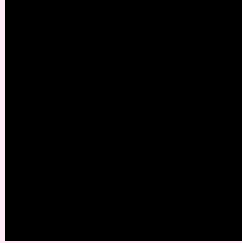
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 255, 235, 247 Background**



This preview shows how black text looks on a background with the RYB color 255, 235, 247.

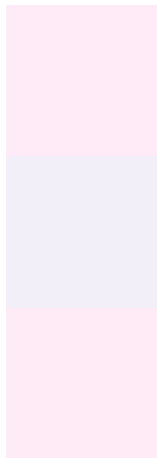


This preview shows how white text looks on a background with the RYB color 255, 235, 247.

# 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**  
255, 235, 247

**Protanopia**  
242, 239, 249

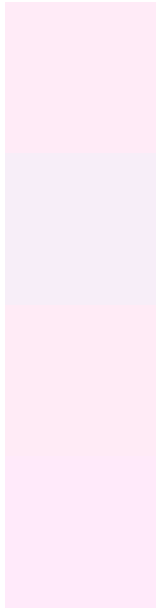
**Deuteranopia**  
255, 235, 245



# Tritanopia

255, 234, 252

# Trichromacy



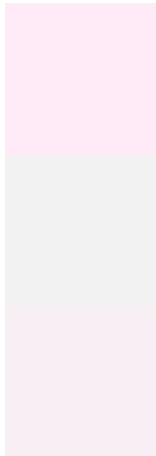
**Original Color**  
255, 235, 247

**Protanomaly**  
247, 238, 248

**Deuteranomaly**  
255, 235, 246

**Tritanomaly**  
255, 234, 250

# Monochromacy



**Original Color**  
255, 235, 247

**Achromatopsia**  
242, 242, 242

**Achromatomaly**  
247, 239, 244

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 255, 235, 247 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, 235, 247) looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 247)  
}
```

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, 235, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 247) }
```

## Border

The CSS property to change the border of an element to RYB 255, 235, 247 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, 235, 247) }
```

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

```
.border{ border-color:rgb(255, 235, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 235, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 235, 247); box-shadow:4px 4px 4px 4px rgb(255, 235, 247) }
```

# Background

The CSS property to change the background color of an element to RYB 255, 235, 247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 247) }
```

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

```
.background{ background-color: rgb(255,  
235, 247) }
```

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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