

# Converting Colors

`RYB(255, 227, 233)`

Have a look what the booklet for  
RYB(255, 227, 233) contains.

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# Color

**`RYB(255, 227, 233)`**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE3E9
RGB	255, 227, 233
RGB Percent	100%, 89%, 91%
CMY	0.0000, 0.1098, 0.0863
CMYK	0.00, 0.11, 0.09, 0.00
HSL	347°, 100%, 95%
HSV	347°, 11%, 100%
XYZ	83.4171, 82.0814, 88.5375
YIQ	236.0560, 14.7620, 7.8020

# Conversions

## Conversions Part 2

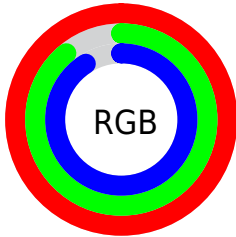
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 227, 233
Decimal	16770025
CIE <sub>Lab</sub>	92.61, 10.56, 0.59
CIE <sub>LCh</sub>	93, 10.580, 3.170
Yxy	82.0814, 0.3284, 0.3231
Android (android.graphics.Color)	4294960105 (0xFFFFE3E9)
YUV	236.0560, -1.5066, 16.6139
Hunter-Lab	90.5988, 5.8026, 5.4781

# Details

The RYB color **255, 227, 233** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **227, 243, 255**, and the grayscale version is **236, 236, 236**.

A 20% lighter version of the original color is **255, 255, 255**, and **198, 172, 177** is the 20% darker color. If you saturate the color by 10%, you get **255, 202, 213**, and if you desaturate by 10%, it is **255, 252, 253**.

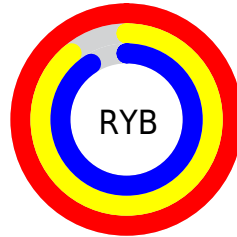
# Distribution



Red (100%)

Green (89%)

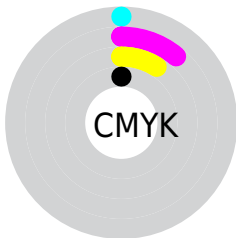
Blue (91%)



Red (100%)

Yellow (89%)

Blue (91%)

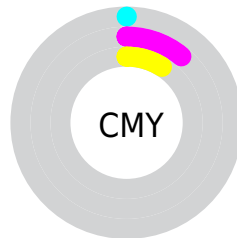


Cyan (0%)

Magenta (11%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (11%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 255, 227, 233 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, 227, 233 by changing the saturation by 10% instead.




 255, 227, 233


255, 255, 255

 255, 227, 233

 226, 199, 205

 198, 172, 177

 171, 145, 151

 144, 119, 125

 118, 95, 100

 93, 71, 76

 70, 48, 53

 47, 27, 32

 28, 1, 9

 255, 227, 233

 255, 227, 233

 255, 202, 213

 255, 252, 253


 255, 176, 193

255, 255, 255

 255, 150, 173

 255, 125, 153

 255, 99, 133

 255, 74, 113

 255, 49, 93

 255, 23, 73

 255, 0, 55

# Harmonies

## Analogous

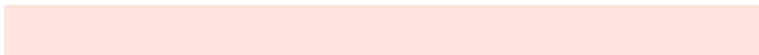
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



248, 228, 243



255, 227, 233



255, 229, 223

# Triad

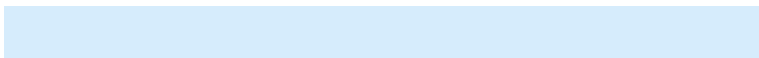
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



255, 227, 233



217, 237, 224



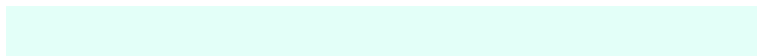
214, 228, 252

# Complementary

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



255, 227, 233



227, 243, 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.



209, 225, 244



255, 227, 233



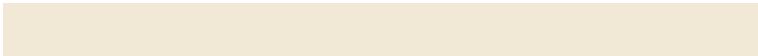
218, 234, 239

# Square

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



255, 227, 233



225, 241, 214



211, 227, 240



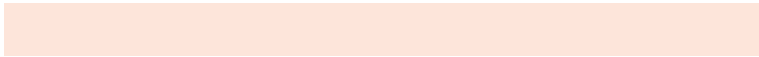
225, 232, 254

# Rectangle

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



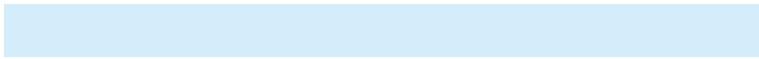
255, 227, 233



253, 234, 218



211, 227, 240



212, 227, 250

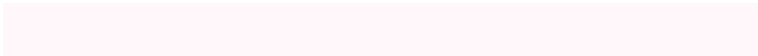


# Sweetspot

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



255, 227, 233



255, 247, 249



249, 227, 255



128, 122, 123



0, 0, 0



128, 128, 128



# Same Dimension

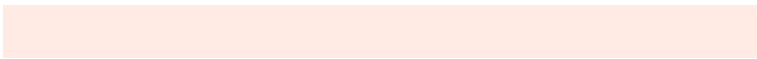
The Same Dimension uses a secret algorithm to generate beautiful new colors.



255, 227, 233



255, 222, 229



255, 238, 227



128, 115, 117



191, 0, 41



64, 0, 14



# Inverse Universe

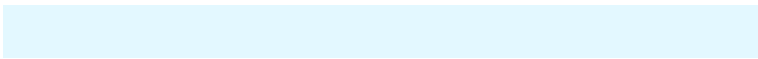
The Inverse Universe completely reimagines the original color for something new.



255, 227, 233



255, 222, 229



227, 239, 255



128, 115, 117



191, 0, 41

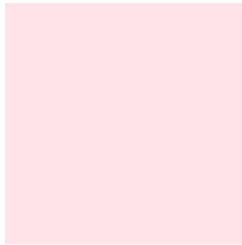


64, 0, 14



# Previews

## White Background



This preview shows how the RYB color 255, 227, 233 looks on a white background.

## Color Contrast Check

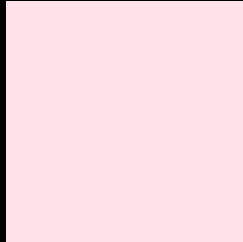
Large Text (above 18pt) WCAG AA × Fail

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, 227, 233 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

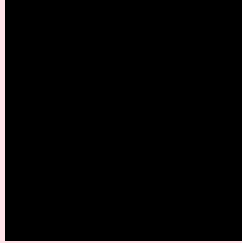
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

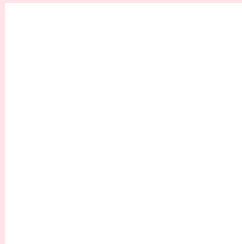
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 255, 227, 233 Background**



This preview shows how black text looks on a background with the RYB color 255, 227, 233.

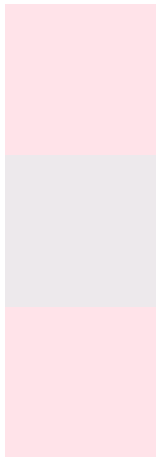


This preview shows how white text looks on a background with the RYB color 255, 227, 233.

# 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, 227, 233

**Protanopia**  
237, 233, 236

**Deuteranopia**  
255, 227, 233



# Tritanopia

255, 226, 242

# Trichromacy



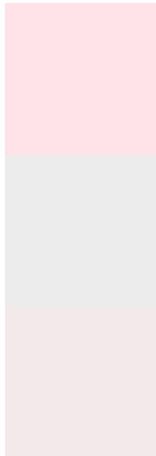
**Original Color**  
255, 227, 233

**Protanomaly**  
244, 231, 235

**Deuteranomaly**  
255, 227, 233

**Tritanomaly**  
255, 226, 239

# Monochromacy



**Original Color**  
255, 227, 233

**Achromatopsia**  
236, 236, 236

**Achromatomaly**  
243, 233, 235

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 255, 227, 233 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, 227, 233) looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 233)  
}
```

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, 227, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 233) }
```

## Border

The CSS property to change the border of an element to RYB 255, 227, 233 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, 227, 233) }
```

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

```
.border{ border-color:rgb(255, 227, 233) }
```

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

Here you see how a box with a 4 pixel rgb(255, 227, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
233) }
```

# Background

The CSS property to change the background color of an element to RYB 255, 227, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 233) }
```

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

```
.background{ background-color: rgb(255,  
227, 233) }
```

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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