

# Converting Colors

`RYB(255, 223, 227)`

Have a look what the booklet for  
RYB(255, 223, 227) contains.

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# Color

**`RYB(255, 223, 227)`**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDFE3
RGB	255, 223, 227
RGB Percent	100%, 87%, 89%
CMY	0.0000, 0.1255, 0.1098
CMYK	0.00, 0.13, 0.11, 0.00
HSL	352°, 100%, 94%
HSV	352°, 13%, 100%
XYZ	81.4928, 79.5814, 83.7387
YIQ	233.0240, 17.7880, 8.0280

# Conversions

## Conversions Part 2

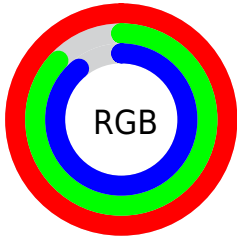
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 223, 227
Decimal	16768995
CIE <sub>Lab</sub>	91.50, 11.66, 2.10
CIE <sub>LCh</sub>	91, 11.843, 10.213
Yxy	79.5814, 0.3329, 0.3251
Android (android.graphics.Color)	4294959075 (0xFFFFDFE3)
YUV	233.0240, -2.9698, 19.2730
Hunter-Lab	89.2084, 6.9469, 6.7912

# Details

The RYB color **255, 223, 227** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **223, 240, 255**, and the grayscale version is **233, 233, 233**.

A 20% lighter version of the original color is **255, 255, 255**, and **198, 168, 172** is the 20% darker color. If you saturate the color by 10%, you get **255, 198, 205**, and if you desaturate by 10%, it is **255, 249, 249**.

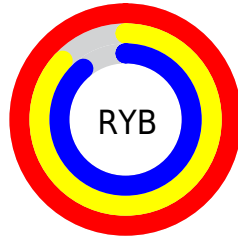
# Distribution



Red (100%)

Green (87%)

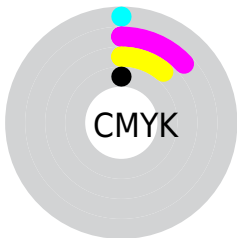
Blue (89%)



Red (100%)

Yellow (87%)

Blue (89%)

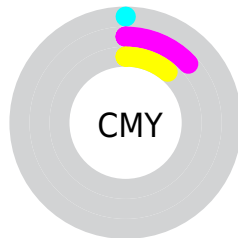


Cyan (0%)

Magenta (13%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 255, 223, 227 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, 223, 227 by changing the saturation by 10% instead.




 255, 223, 227

255, 255, 255

 255, 223, 227

 226, 195, 199

 198, 168, 172

 171, 141, 145

 144, 116, 120

 118, 91, 95

 93, 68, 71

 69, 45, 49

 46, 24, 28

 28, 0, 1

 255, 223, 227


 255, 223, 227


 255, 198, 205

 255, 249, 249

 255, 172, 182

255, 255, 255

 255, 147, 160

 255, 121, 138

 255, 96, 115

 255, 70, 93

 255, 45, 71

 255, 19, 49

 255, 0, 32

# Harmonies

## Analogous

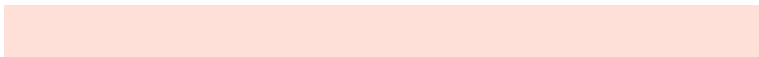
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



249, 224, 239



255, 223, 227



254, 226, 216

# Triad

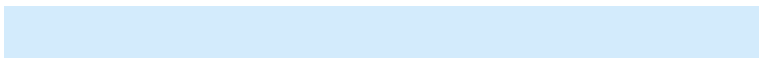
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



255, 223, 227



213, 234, 224



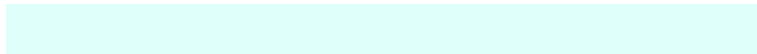
211, 226, 252

# Complementary

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



255, 223, 227



223, 240, 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.



203, 221, 245



255, 223, 227



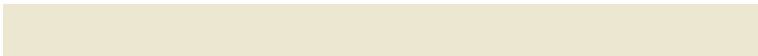
211, 229, 237

# Square

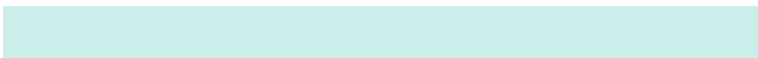
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



255, 223, 227



214, 236, 208



204, 222, 238



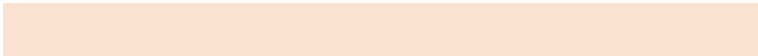
224, 229, 253

# Rectangle

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



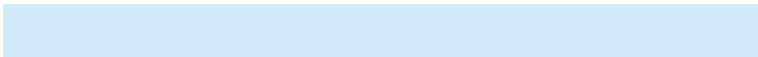
255, 223, 227



250, 235, 211



204, 222, 238



208, 224, 250

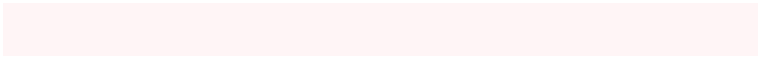


# Sweetspot

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



255, 223, 227



255, 245, 246



251, 223, 255



128, 121, 122



0, 0, 0



128, 128, 128



# Same Dimension

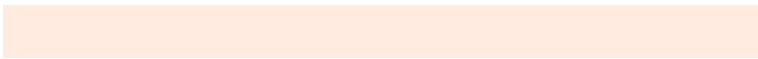
The Same Dimension uses a secret algorithm to generate beautiful new colors.



255, 223, 227



255, 217, 222



255, 242, 223



128, 115, 116



191, 0, 24



64, 0, 8



# Inverse Universe

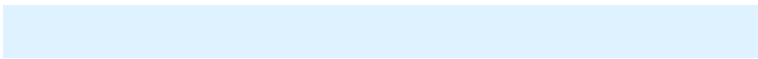
The Inverse Universe completely reimagines the original color for something new.



255, 223, 227



255, 217, 222



223, 235, 255



128, 115, 116



191, 0, 24

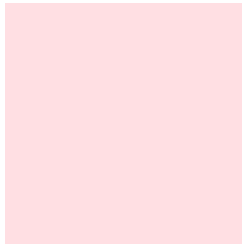


64, 0, 8



# Previews

## White Background



This preview shows how the RYB color 255, 223, 227 looks on a white background.

## Color Contrast Check

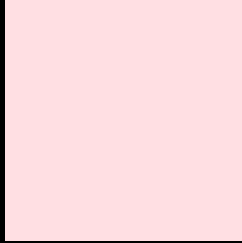
Large Text (above 18pt) WCAG AA × Fail

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, 223, 227 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

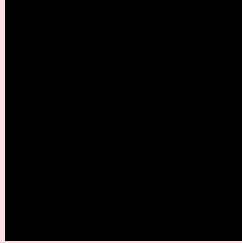
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 255, 223, 227 Background**



This preview shows how black text looks on a background with the RYB color 255, 223, 227.

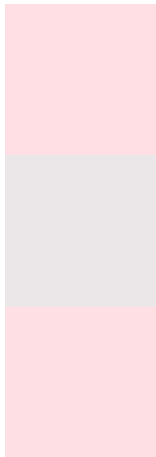


This preview shows how white text looks on a background with the RYB color 255, 223, 227.

# 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, 223, 227

**Protanopia**  
235, 230, 231

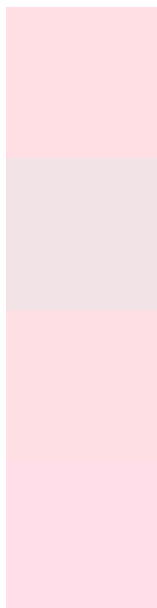
**Deuteranopia**  
254, 223, 227



# Tritanopia

255, 222, 238

# Trichromacy



**Original Color**

255, 223, 227

**Protanomaly**

242, 227, 230

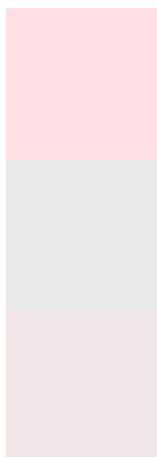
**Deuteranomaly**

254, 223, 227

**Tritanomaly**

255, 222, 234

# Monochromacy



**Original Color**

255, 223, 227

**Achromatopsia**

233, 233, 233

**Achromatomaly**

241, 229, 231

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 255, 223, 227 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, 223, 227) looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 227)  
}
```

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, 223, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 227) }
```

## Border

The CSS property to change the border of an element to RYB 255, 223, 227 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, 223, 227) }
```

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

```
.border{ border-color:rgb(255, 223, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 223, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 223, 227); box-shadow:4px 4px 4px 4px rgb(255, 223, 227) }
```

# Background

The CSS property to change the background color of an element to RYB 255, 223, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 227) }
```

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

```
.background{ background-color: rgb(255,  
223, 227) }
```

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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