

# Converting Colors

`RYB(240, 223, 246)`

Have a look what the booklet for RYB(240, 223, 246) contains.

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# **Color**

**R<sub>Y</sub>B(240, 223, 246)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0DFF6
RGB	240, 223, 246
RGB Percent	94%, 87%, 96%
CMY	0.0588, 0.1255, 0.0353
CMYK	0.02, 0.09, 0.00, 0.04
HSL	284°, 56%, 92%
HSV	284°, 9%, 96%
XYZ	78.9574, 77.9544, 98.0740
YIQ	230.7050, 2.7490, 10.7570

# Conversions

## Conversions Part 2

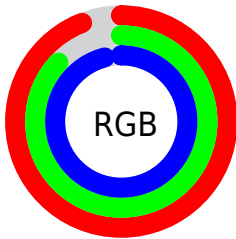
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	240, 223, 246
Decimal	15785974
CIE Lab	90.76, 9.86, -9.08
CIE LCh	91, 13.403, 317.342
Yxy	77.9544, 0.3097, 0.3057
Android (android.graphics.Color)	4293976054 (0xFFFF0DFF6)
YUV	230.7050, 7.5404, 8.1517
Hunter-Lab	88.2918, 5.1179, -4.0547

# Details

The RYB color **240, 223, 246** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **223, 246, 240**, and the grayscale version is **231, 231, 231**.

A 20% lighter version of the original color is **255, 255, 255**, and **184, 168, 190** is the 20% darker color. If you saturate the color by 10%, you get **234, 198, 246**, and if you desaturate by 10%, it is **246, 248, 248**.

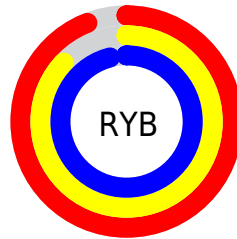
# Distribution



Red (94%)

Green (87%)

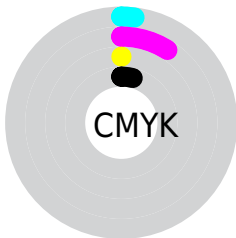
Blue (96%)



Red (94%)

Yellow (87%)

Blue (96%)

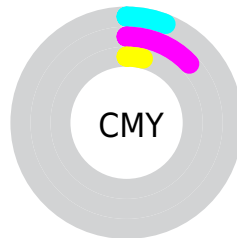


Cyan (2%)

Magenta (9%)

Yellow (0%)

Black (4%)



Cyan (6%)

Magenta (13%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 240, 223, 246 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 240, 223, 246 by changing the saturation by 10% instead.



■ 240, 223, 246

255, 255, 255

■ 240, 223, 246

■ 212, 195, 218

■ 184, 168, 190

■ 157, 141, 163

■ 131, 116, 136

■ 106, 91, 111

■ 81, 68, 87

■ 58, 45, 63

■ 36, 25, 41


■ 17, 0, 21

 240, 223, 246


 240, 223, 246

 234, 198, 246


 246, 248, 248

 227, 174, 246


 246, 255, 248


 221, 149, 246

 246, 255, 246

 214, 125, 246

 208, 100, 246

 201, 75, 246

 195, 51, 246

 189, 26, 246

 182, 2, 246

# Harmonies

## Analogous

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



224, 227, 253



240, 223, 246



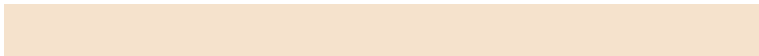
252, 220, 234

# Triad

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



240, 223, 246



239, 245, 204



197, 217, 236

# Complementary

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



240, 223, 246



223, 246, 240

# 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.



204, 224, 236



240, 223, 246



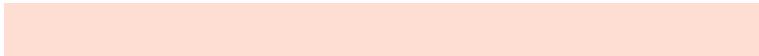
205, 231, 204

# Square

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



240, 223, 246



254, 227, 210



211, 234, 229



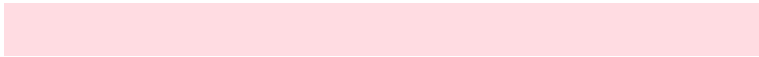
199, 220, 247

# Rectangle

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



240, 223, 246



255, 220, 226



211, 234, 229



198, 218, 236



# Sweetspot

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



240, 223, 246



253, 247, 255



223, 228, 246



126, 122, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



240, 223, 246



248, 227, 255



246, 223, 241



119, 110, 122



138, 0, 186



43, 0, 59



# Inverse Universe

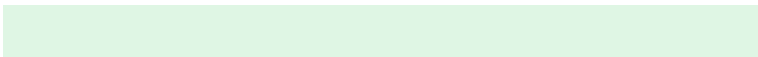
The Inverse Universe completely reimagines the original color for something new.



246, 223, 229



255, 227, 234



223, 242, 246



122, 110, 113



186, 0, 49

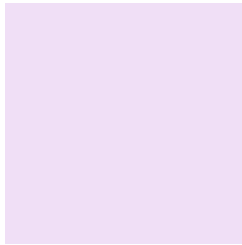


59, 0, 15



# Previews

## White Background



This preview shows how the RYB color 240, 223, 246 looks on a white background.

## Color Contrast Check

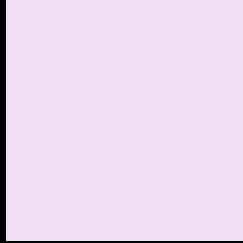
Large Text (above 18pt) WCAG AA × Fail

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 240, 223, 246 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

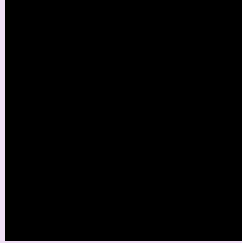
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

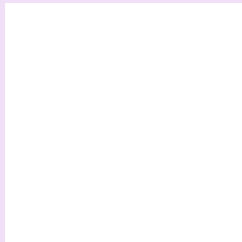
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 240, 223, 246 Background**



This preview shows how black text looks on a background with the RYB color 240, 223, 246.



This preview shows how white text looks on a background with the RYB color 240, 223, 246.

# 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**  
240, 223, 246

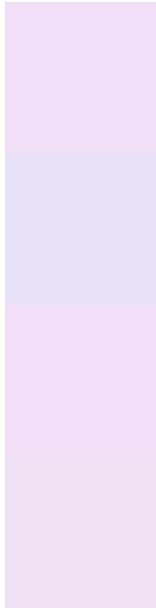
**Protanopia**  
227, 227, 249

**Deuteranopia**  
243, 222, 246



**Tritanopia**  
239, 224, 241

# Trichromacy



## Original Color

240, 223, 246

## Protanomaly

232, 226, 248

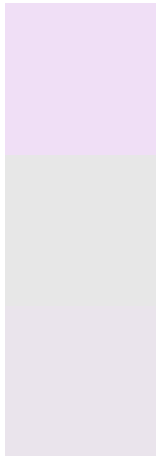
## Deuteranomaly

242, 222, 246

## Tritanomaly

239, 224, 243

# Monochromacy



## Original Color

240, 223, 246

## Achromatopsia

231, 231, 231

## Achromatomaly

234, 228, 236

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 240, 223, 246 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(240, 223, 246) looks like.

```
.text, #text, p{  
    color:rgb(240, 223, 246)  
}
```

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(240, 223, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 223, 246) }
```

## Border

The CSS property to change the border of an element to RYB 240, 223, 246 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(240, 223, 246) }
```

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

```
.border{ border-color:rgb(240, 223, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 223, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 223, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 223, 246);  
box-shadow:4px 4px 4px 4px rgb(240, 223,  
246) }
```

# Background

The CSS property to change the background color of an element to RYB 240, 223, 246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 223, 246) }
```

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

```
.background{ background-color: rgb(240,  
223, 246) }
```

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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