

# Converting Colors

`RYB(255, 248, 253)`

Have a look what the booklet for RYB(255, 248, 253) contains.

<b>RYB(255, 248, 253)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**R<sub>Y</sub>B(255, 248, 253)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF8FD
RGB	255, 248, 253
RGB Percent	100%, 97%, 99%
CMY	0.0000, 0.0275, 0.0078
CMYK	0.00, 0.03, 0.01, 0.00
HSL	317°, 100%, 99%
HSV	317°, 3%, 100%
XYZ	92.5370, 95.4867, 106.4820
YIQ	250.6630, 2.5670, 3.0390

# Conversions

## Conversions Part 2

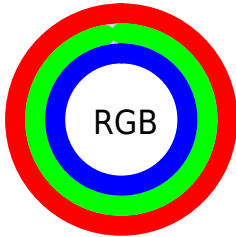
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 248, 253
Decimal	16775421
CIE Lab	98.23, 3.20, -1.57
CIE LCh	98, 3.564, 333.787
Yxy	95.4867, 0.3142, 0.3242
Android (android.graphics.Color)	4294965501 (0xFFFFF8FD)
YUV	250.6630, 1.1521, 3.8035
Hunter-Lab	97.7173, -1.9680, 3.7941

# Details

The RYB color 255, 248, 253 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 248, 253, 255, and the grayscale version is 251, 251, 251.

A 20% lighter version of the original color is 255, 255, 255, and 198, 192, 196 is the 20% darker color. If you saturate the color by 10%, you get 255, 223, 246, and if you desaturate by 10%, it is 255, 255, 255.

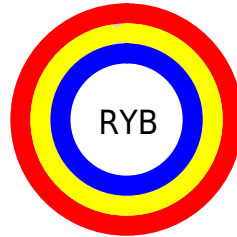
# Distribution



Red (100%)

Green (97%)

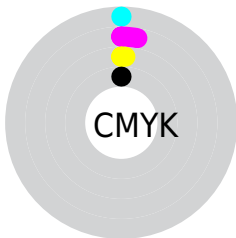
Blue (99%)



Red (100%)

Yellow (97%)

Blue (99%)

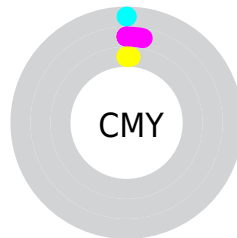


Cyan (0%)

Magenta (3%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (3%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 255, 248, 253 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, 248, 253 by changing the saturation by 10% instead.




 255, 248, 253

 255, 248, 253

255, 255, 255

 226, 219, 224


 198, 192, 196


 171, 165, 169

 145, 138, 143

 119, 113, 117

 94, 88, 93

 71, 65, 69

 48, 43, 47

 27, 23, 26


 255, 248, 253

 255, 248, 253

 255, 223, 246

255, 255, 255


 255, 197, 238


 255, 171, 231


 255, 146, 224

 255, 121, 217

 255, 95, 209

 255, 69, 202

 255, 44, 195

 255, 18, 187

# Harmonies

## Analogous

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



251, 249, 255



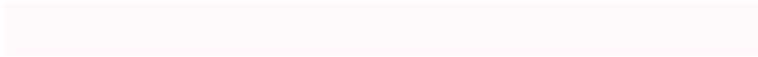
255, 248, 253



255, 248, 250

# Triad

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



255, 248, 253



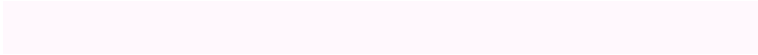
247, 253, 243



242, 247, 254

# Complementary

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



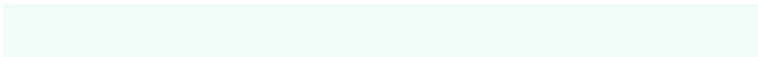
255, 248, 253



248, 253, 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.



242, 248, 252



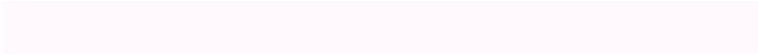
255, 248, 253



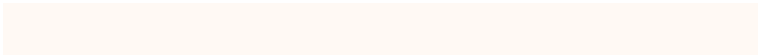
244, 251, 247

# Square

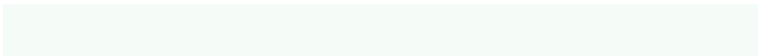
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



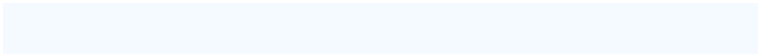
255, 248, 253



255, 253, 244



245, 250, 252



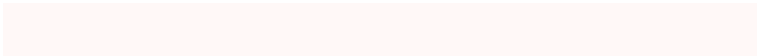
244, 248, 255

# Rectangle

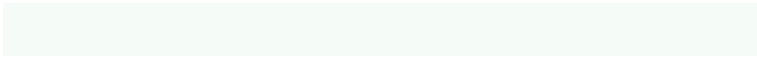
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



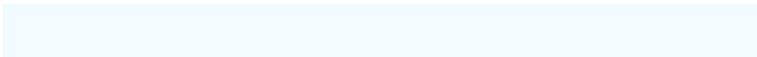
255, 248, 253



255, 248, 247



245, 250, 252



242, 247, 253



# Sweetspot

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



255, 248, 253



255, 252, 254



250, 248, 255



128, 126, 127



0, 0, 0



128, 128, 128

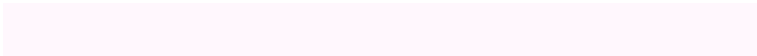


# Same Dimension

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



255, 248, 253



255, 247, 253



255, 248, 250



128, 122, 126



191, 0, 137



64, 0, 46



# Inverse Universe

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



255, 248, 253



255, 247, 253



248, 252, 255



128, 122, 126



191, 0, 137



64, 0, 46



# Previews

## White Background



This preview shows how the RYB color 255, 248, 253 looks on a white background.

## Color Contrast Check

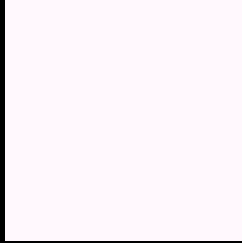
Large Text (above 18pt) WCAG AA × Fail

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, 248, 253 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

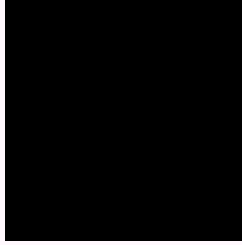
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 255, 248, 253 Background**



This preview shows how black text looks on a background with the RYB color 255, 248, 253.



This preview shows how white text looks on a background with the RYB color 255, 248, 253.

# 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, 248, 253](#)

**Protanopia**  
[253, 249, 253](#)

**Deuteranopia**  
[255, 248, 251](#)

# Tritanopia

252, 249, 255

# Trichromacy



**Original Color**

255, 248, 253

**Protanomaly**

254, 249, 253

**Deuteranomaly**

255, 248, 252

**Tritanomaly**

253, 249, 254

# Monochromacy



**Original Color**

255, 248, 253

**Achromatopsia**

251, 251, 251

**Achromatomaly**

252, 250, 252

# CSS Examples

## Text

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

```
.text, #text, p{  
    color:rgb(255, 248, 253)  
}
```

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, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 253) }
```

## Border

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

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

```
.border{ border-color:rgb(255, 248, 253) }
```

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, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
253) }
```

# Background

The CSS property to change the background color of an element to RYB 255, 248, 253 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, 253) }
```

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

```
.background{ background-color: rgb(255,  
248, 253) }
```

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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