Converting Colors

RYB(245, 247, 249)

Have a look what the booklet for RYB(245, 247, 249) contains.

Color

RYB(245, 247, 249)

Conversions

Conversions Part 1

Format	Color
Hex	F5F9F9
RGB	245, 249, 249
RGB Percent	96%, 98%, 98%
CMY	0.0392, 0.0235, 0.0235
CMYK	0.02, 0.00, 0.00, 0.02
HSL	180°, 25%, 97%
HSV	180°, 2%, 98%
XYZ	88.6308, 94.0034, 103.0957
YIQ	247.8040, -2.3840, -0.8480

Conversions

Conversions Part 2

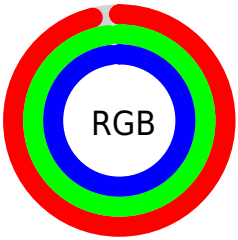
Format	Color
RYB	245, 247, 249
Decimal	16120313
CIELab	97.63, -1.31, -0.47
CIELCh	98, 1.395, 199.782
Yxy	94.0034, 0.3102, 0.3290
Android (android.graphics.Color)	4294310393 (0xFFF5F9F9)
YUV	247.8040, 0.5896, -2.4591
Hunter-Lab	96.9553, -6.4979, 4.8238

Details

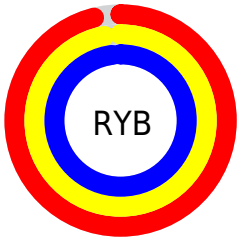
The RYB color 245, 247, 249 is a light color, and the websafe version is hex FFFFFF. A complement of this color would be 249, 245, 245, and the grayscale version is 248, 248, 248.

A 20% lighter version of the original color is 255, 255, 255, and 189, 191, 193 is the 20% darker color. If you saturate the color by 10%, you get 220, 235, 249, and if you desaturate by 10%, it is 255, 249, 249.

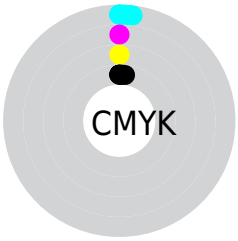
Distribution



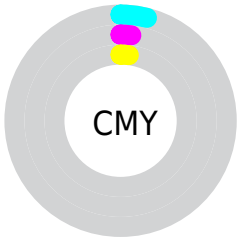
- Red (96%)
- Green (98%)
- Blue (98%)



- Red (96%)
- Yellow (97%)
- Blue (98%)



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)



- Cyan (4%)
- Magenta (2%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 245, 247, 249 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 245, 247, 249 by changing the saturation by 10% instead.

245, 247, 249

255, 255, 255

245, 247, 249

217, 219, 220

189, 191, 193

162, 164, 165

136, 138, 139

110, 112, 114

86, 88, 89

63, 65, 66

41, 43, 44

21, 22, 23

245, 247, 249

220, 235, 249

195, 222, 249

170, 210, 249

145, 197, 249

121, 185, 249

96, 173, 249

71, 160, 249

46, 148, 249

21, 135, 249

245, 247, 249

255, 249, 249

Harmonies

Analogous

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

246, 248, 249

245, 247, 249

245, 247, 250

Triad

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

245, 247, 249

250, 248, 250

250, 250, 246

Complementary

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

245, 247, 249

249, 245, 245

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.

251, 249, 246

245, 247, 249

251, 247, 249

Square

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

245, 247, 249

248, 248, 251

251, 247, 247

246, 248, 246

Rectangle

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

245, 247, 249

246, 248, 251

251, 247, 247

250, 250, 246

Sweetspot

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

245, 247, 249

255, 255, 255

245, 249, 249

128, 128, 128

0, 0, 0

Same Dimension

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

245, 247, 249

250, 253, 255

245, 246, 249

122, 124, 125

0, 95, 189

0, 31, 61

Inverse Universe

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

249, 245, 249

255, 250, 255

249, 249, 245

125, 122, 125

189, 0, 189

61, 0, 61

Previews

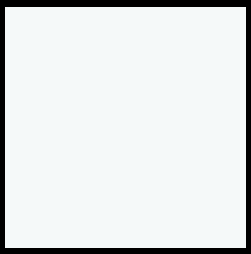
White Background

This preview shows how the RYB color 245, 247, 249 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



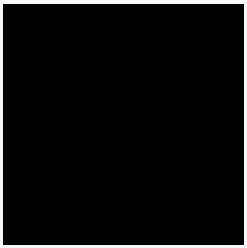
This preview shows how the RYB color 245, 247, 249 looks on a black background.

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 245, 247, 249 Background



This preview shows how black text looks on a background with the RYB color 245, 247, 249.

This preview shows how white text looks on a background with the RYB color 245, 247, 249.

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
245, 247, 249

Protanopia
252, 247, 248

Deuteranopia
255, 246, 249

Tritanopia
248, 247, 255

Trichromacy

Original Color
245, 247, 249

Protanomaly
249, 248, 248

Deuteranomaly
251, 247, 249

Tritanomaly
247, 248, 253

Monochromacy

Original Color
245, 247, 249

Achromatopsia
248, 248, 248

Achromatomaly
247, 248, 248

CSS Examples

Text

The CSS property to change the color of the text to RYB 245, 247, 249 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(245, 249, 249) looks like.

```
.text, #text, p{
    color:rgb(245, 249, 249)
}
```

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(245, 249, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 249, 249) }
```

Border

The CSS property to change the border of an element to RYB 245, 247, 249 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(245, 249, 249) }
```

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

```
.border{ border-color:rgb(245, 249, 249) }
```

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

Here you see how a box with a 4 pixel rgb(245, 249, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 249, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 249, 249); box-shadow:4px 4px 4px 4px rgb(245, 249, 249) }
```

Background

The CSS property to change the background color of an element to RYB 245, 247, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(245, 249, 249) }
```

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

```
.background{ background-color:rgb(245,
249, 249) }
```

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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