

Converting Colors

`RYB(234, 255, 240)`

Have a look what the booklet for
RYB(234, 255, 240) contains.

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Color

R_YB(234, 255, 240)

Conversions

Conversions Part 1

Format	Color
Hex	F9FFEA
RGB	249, 255, 234
RGB Percent	98%, 100%, 92%
CMY	0.0235, 0.0000, 0.0824
CMYK	0.02, 0.00, 0.08, 0.00
HSL	77°, 100%, 96%
HSV	77°, 8%, 100%
XYZ	89.6782, 97.6003, 91.9541
YIQ	250.8120, 3.1650, -7.8030

Conversions

Conversions Part 2

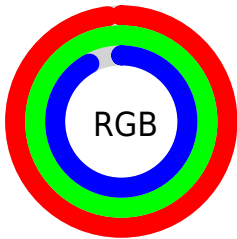
Format	Color
RYB	234, 255, 240
Decimal	16383978
CIELab	99.06, -5.57, 9.34
CIELCh	99, 10.874, 120.785
Yxy	97.6003, 0.3212, 0.3495
Android (android.graphics.Color)	4294574058 (0xFFFF9FEEA)
YUV	250.8120, -8.2883, -1.5891
Hunter-Lab	98.7928, -10.8559, 13.9692

Details

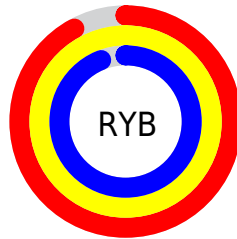
The RYB color 234, 255, 240 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 240, 234, 255, and the grayscale version is 251, 251, 251.

A 20% lighter version of the original color is 255, 255, 255, and 178, 198, 183 is the 20% darker color. If you saturate the color by 10%, you get 209, 255, 222, and if you desaturate by 10%, it is 255, 255, 255.

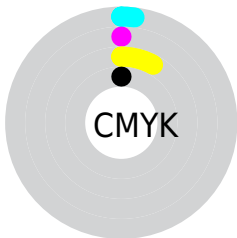
Distribution



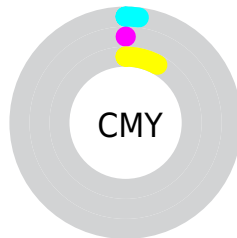
- Red (98%)
- Green (100%)
- Blue (92%)



- Red (92%)
- Yellow (100%)
- Blue (94%)



- Cyan (2%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)



- Cyan (2%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 234, 255, 240 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 234, 255, 240 by changing the saturation by 10% instead.

 234, 255, 240

255, 255, 255


 234, 255, 240

 206, 226, 212

 178, 198, 183


 152, 171, 158

 126, 145, 132

 101, 119, 106

 77, 94, 82

 54, 71, 59

 33, 48, 38

 10, 27, 14

234, 255, 240

234, 255, 240

209, 255, 222

255, 255, 255

183, 255, 204

157, 255, 185

132, 255, 167

106, 255, 148

81, 255, 131

56, 255, 113

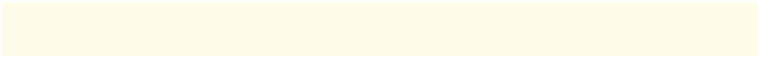
30, 255, 94

5, 255, 77

Harmonies

Analogous

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



234, 255, 231



234, 255, 240



237, 251, 255

Triad

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



234, 255, 240



231, 243, 255



255, 245, 252

Complementary

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



234, 255, 240



240, 234, 255

Split Complementary

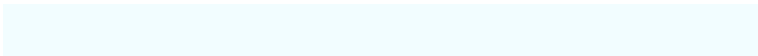
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 247, 255



234, 255, 240



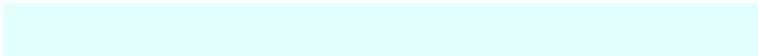
242, 248, 255

Square

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



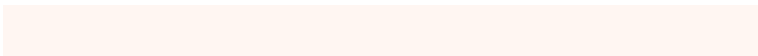
234, 255, 240



226, 241, 255



255, 250, 255



255, 248, 242

Rectangle

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



234, 255, 240



231, 245, 255



255, 250, 255



255, 246, 255

Sweetspot

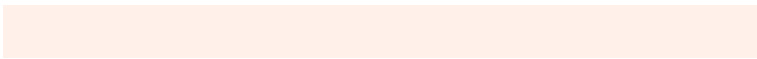
The Sweet Spot groups the original color and five complimentary colors.



234, 255, 240



250, 255, 251



255, 242, 234



125, 128, 126



0, 0, 0



128, 128, 128

Same Dimension

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



234, 255, 240



230, 255, 237



234, 255, 250



115, 128, 119



0, 191, 54



0, 64, 18

Inverse Universe

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



240, 234, 255



237, 230, 255



250, 234, 255



118, 115, 128



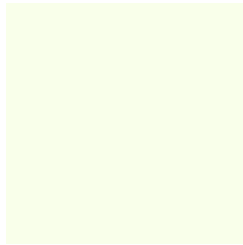
55, 0, 191



18, 0, 64

Previews

White Background



This preview shows how the RYB color 234, 255, 240 looks on a white background.

Color Contrast Check

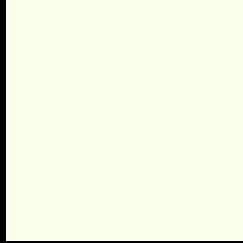
Large Text (above 18pt) WCAG AA × Fail

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 234, 255, 240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

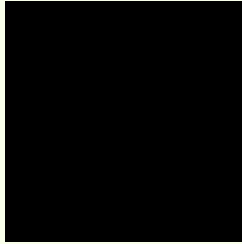
Any Text WCAG AA ✓ Pass

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 234, 255, 240 Background



This preview shows how black text looks on a background with the RYB color 234, 255, 240.

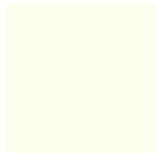


This preview shows how white text looks on a background with the RYB color 234, 255, 240.

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
234, 255, 240



Protanopia
251, 255, 246

Deuteranopia
255, 252, 251

Tritanopia

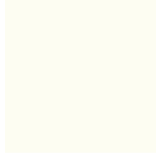
253, 252, 255

Trichromacy



Original Color

234, 255, 240



Protanomaly

242, 253, 242



Deuteranomaly

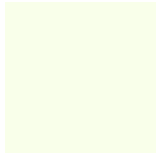
245, 253, 245



Tritanomaly

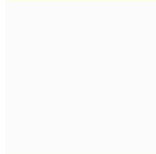
247, 253, 248

Monochromacy



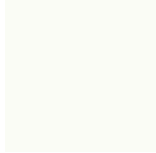
Original Color

234, 255, 240



Achromatopsia

251, 251, 251



Achromatomaly

245, 252, 247

CSS Examples

Text

The CSS property to change the color of the text to RYB 234, 255, 240 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(249, 255, 234) looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 234)  
}
```

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(249, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 234) }
```

Border

The CSS property to change the border of an element to RYB 234, 255, 240 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(249, 255, 234) }
```

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

```
.border{ border-color:rgb(249, 255, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 255, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
234) }
```

Background

The CSS property to change the background color of an element to RYB 234, 255, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 234) }
```

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

```
.background{ background-color: rgb(249,  
255, 234) }
```

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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