

Converting Colors

`RYB(224, 238, 249)`

Have a look what the booklet for
RYB(224, 238, 249) contains.

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Color

R_YB(224, 238, 249)

Conversions

Conversions Part 1

Format	Color
Hex	E0F9F4
RGB	224, 249, 244
RGB Percent	88%, 98%, 96%
CMY	0.1216, 0.0235, 0.0445
CMYK	0.10, 0.00, 0.02, 0.02
HSL	167°, 68%, 93%
HSV	167°, 10%, 98%
XYZ	80.8911, 90.1086, 98.4332
YIQ	240.9550, -13.2950, -6.8550

Conversions

Conversions Part 2

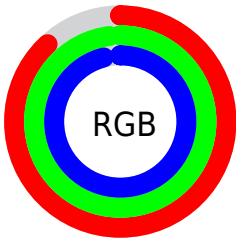
Format	Color
R _Y B	224, 238, 249
Decimal	14744052
CIE Lab	96.04, -9.11, -0.21
CIE LCh	96, 9.110, 181.320
Yxy	90.1086, 0.3002, 0.3344
Android (android.graphics.Color)	4292934132 (0xFFE0F9F4)
YUV	240.9550, 1.5012, -14.8695
Hunter-Lab	94.9256, -14.0105, 4.9670

Details

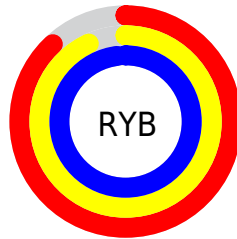
The RYB color **224, 238, 249** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **249, 224, 229**, and the grayscale version is **241, 241, 241**.

A 20% lighter version of the original color is **255, 255, 255**, and **169, 182, 193** is the 20% darker color. If you saturate the color by 10%, you get **199, 227, 249**, and if you desaturate by 10%, it is **249, 249, 249**.

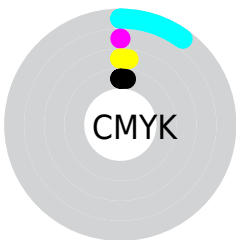
Distribution



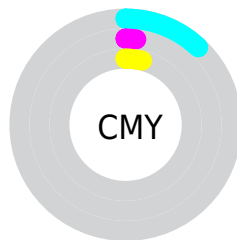
- Red (88%)
- Green (98%)
- Blue (96%)



- Red (88%)
- Yellow (93%)
- Blue (98%)



- Cyan (10%)
- Magenta (0%)
- Yellow (2%)
- Black (2%)



- Cyan (12%)
- Magenta (2%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 224, 238, 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 224, 238, 249 by changing the saturation by 10% instead.

■ 224, 238, 249

255, 255, 255

■ 224, 238, 249

■ 196, 209, 220

■ 169, 182, 193

■ 142, 155, 165

■ 116, 129, 139

■ 92, 104, 114

■ 68, 80, 89

■ 45, 57, 66

■ 24, 35, 44

■ 0, 13, 24

 224, 238, 249

 224, 238, 249

 199, 227, 249


 249, 249, 249


 174, 216, 249


 255, 249, 254


 149, 205, 249


 255, 249, 255


 124, 194, 249

 100, 183, 249

 75, 172, 249

 50, 162, 249

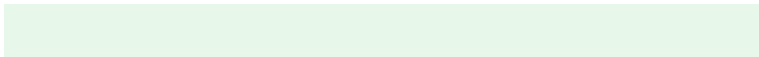
 25, 150, 249

 0, 139, 249

Harmonies

Analogous

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



231, 245, 248



224, 238, 249



222, 236, 252

Triad

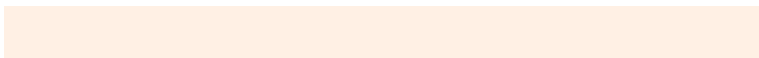
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



224, 238, 249



246, 241, 255



255, 250, 228

Complementary

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



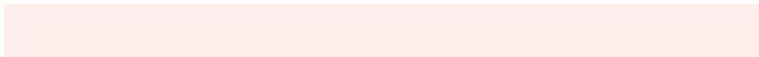
224, 238, 249



249, 224, 229

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, 239, 235



224, 238, 249



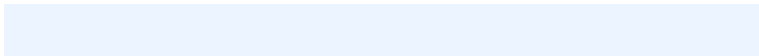
255, 239, 252

Square

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



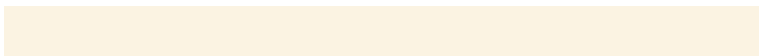
224, 238, 249



235, 241, 255



255, 238, 243



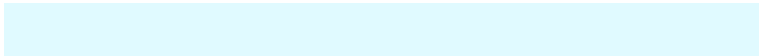
238, 251, 226

Rectangle

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



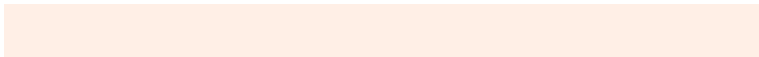
224, 238, 249



224, 238, 255



255, 238, 243



255, 244, 230

Sweetspot

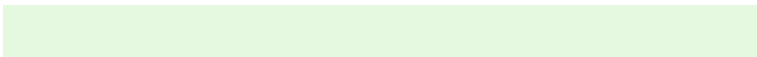
The Sweet Spot groups the original color and five complimentary colors.



224, 238, 249



247, 252, 255



224, 249, 244



122, 126, 128



0, 0, 0



128, 128, 128

Same Dimension

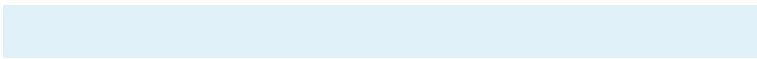
The Same Dimension uses a secret algorithm to generate beautiful new colors.



224, 238, 249



224, 241, 255



224, 234, 249



112, 119, 125



0, 106, 189



0, 34, 61

Inverse Universe

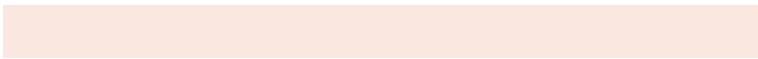
The Inverse Universe completely reimagines the original color for something new.



249, 224, 229



255, 224, 231



249, 234, 224



125, 112, 115



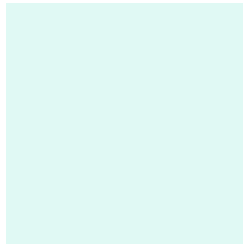
189, 0, 40



61, 0, 13

Previews

White Background



This preview shows how the RYB color 224, 238, 249 looks on a white background.

Color Contrast Check

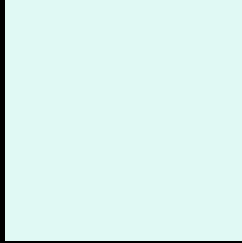
Large Text (above 18pt) WCAG AA × Fail

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 224, 238, 249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

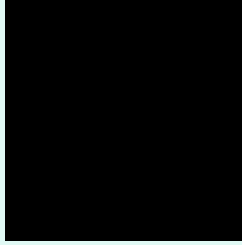
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

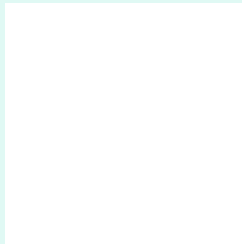
Any Text WCAG AAA ✓ Pass

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

RYB 224, 238, 249 Background



This preview shows how black text looks on a background with the RYB color 224, 238, 249.

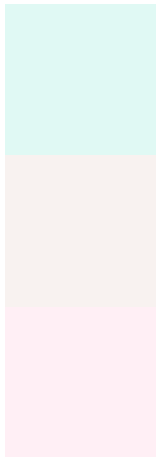


This preview shows how white text looks on a background with the RYB color 224, 238, 249.

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
224, 238, 249

Protanopia
248, 243, 240

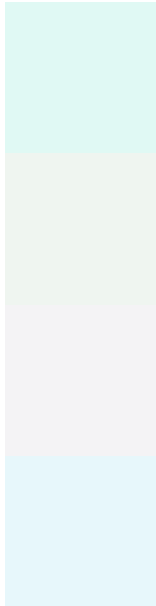
Deuteranopia
255, 239, 245



Tritanopia

235, 242, 255

Trichromacy



Original Color

224, 238, 249

Protanomaly

239, 244, 245

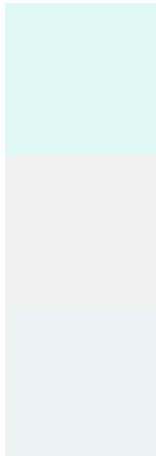
Deuteranomaly

244, 243, 245

Tritanomaly

231, 240, 251

Monochromacy



Original Color

224, 238, 249

Achromatopsia

241, 241, 241

Achromatomaly

235, 240, 244

CSS Examples

Text

The CSS property to change the color of the text to RYB 224, 238, 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(224, 249, 244)` looks like.

```
.text, #text, p{  
    color:rgb(224, 249, 244)  
}
```

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(224, 249, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 249, 244) }
```

Border

The CSS property to change the border of an element to RYB 224, 238, 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(224, 249, 244) }
```

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

```
.border{ border-color:rgb(224, 249, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 249, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 249, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 249, 244);  
box-shadow:4px 4px 4px 4px rgb(224, 249,  
244) }
```

Background

The CSS property to change the background color of an element to RGB 224, 238, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 249, 244) }
```

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

```
.background{ background-color: rgb(224,  
249, 244) }
```

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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