

Converting Colors

`RYB(227, 240, 251)`

Have a look what the booklet for RYB(227, 240, 251) contains.

RYB(227, 240, 251)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RYB(227, 240, 251)

Conversions

Conversions Part 1

Format	Color
Hex	E3FBF7
RGB	227, 251, 247
RGB Percent	89%, 98%, 97%
CMY	0.1098, 0.0157, 0.0302
CMYK	0.10, 0.00, 0.01, 0.02
HSL	171°, 75%, 94%
HSV	171°, 10%, 98%
XYZ	83.0118, 92.0597, 101.6389
YIQ	243.3680, -13.0200, -6.3320

Conversions

Conversions Part 2

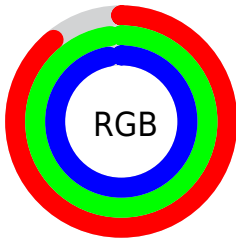
Format	Color
R_{YB}	227, 240, 251
Decimal	14941175
CIE _{Lab}	96.84, -8.46, -0.90
CIE _{LCh}	97, 8.511, 186.088
Yxy	92.0597, 0.3000, 0.3327
Android (android.graphics.Color)	4293131255 (0xFFE3FBF7)
YUV	243.3680, 1.7906, -14.3547
Hunter-Lab	95.9477, -13.4744, 4.3566

Details

The RYB color **227, 240, 251** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **251, 227, 231**, and the grayscale version is **243, 243, 243**.

A 20% lighter version of the original color is **255, 255, 255**, and **172, 184, 194** is the 20% darker color. If you saturate the color by 10%, you get **202, 229, 251**, and if you desaturate by 10%, it is **252, 251, 251**.

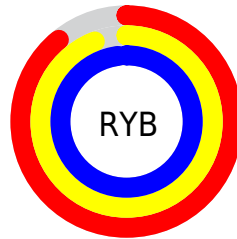
Distribution



Red (89%)

Green (98%)

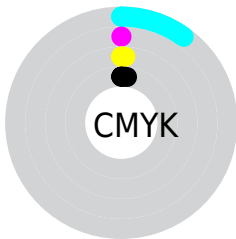
Blue (97%)



Red (89%)

Yellow (94%)

Blue (98%)

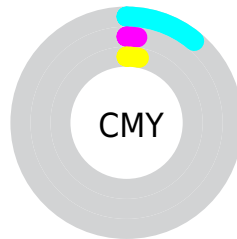


Cyan (10%)

Magenta (0%)

Yellow (1%)

Black (2%)



Cyan (11%)

Magenta (2%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the RYB color 227, 240, 251 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 227, 240, 251 by changing the saturation by 10% instead.

■ 227, 240, 251

255, 255, 255

■ 227, 240, 251

■ 199, 211, 222

■ 172, 184, 194

■ 145, 157, 167

■ 119, 131, 141

■ 94, 105, 115

■ 70, 81, 91

■ 48, 58, 67

■ 26, 36, 45

■ 2, 14, 25

227, 240, 251

227, 240, 251

202, 229, 251

252, 251, 251

177, 217, 251

255, 251, 255

152, 206, 251

127, 194, 251

102, 183, 251

76, 171, 251

51, 159, 251

26, 148, 251

1, 136, 251

Harmonies

Analogous

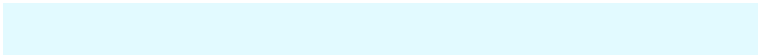
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



233, 246, 250



227, 240, 251



226, 239, 255

Triad

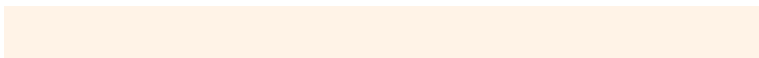
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



227, 240, 251



250, 243, 255



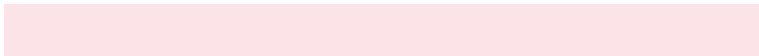
255, 255, 231

Complementary

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



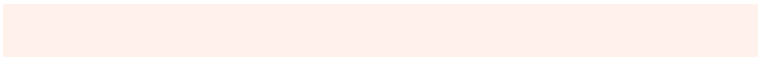
227, 240, 251



251, 227, 231

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, 243, 236



227, 240, 251



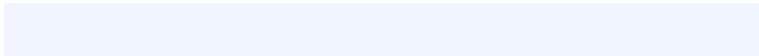
255, 241, 253

Square

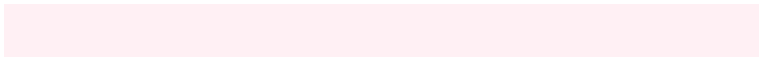
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



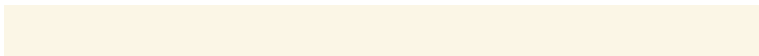
227, 240, 251



240, 244, 255



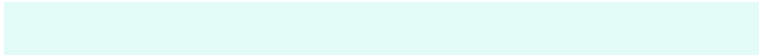
255, 240, 244



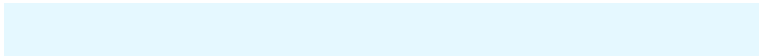
237, 251, 230

Rectangle

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



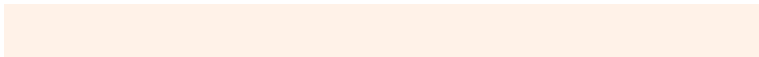
227, 240, 251



229, 240, 255



255, 240, 244



255, 250, 232

Sweetspot

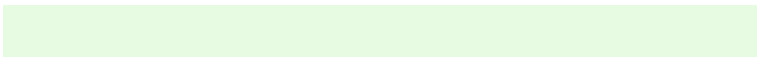
The Sweet Spot groups the original color and five complimentary colors.



227, 240, 251



247, 251, 255



227, 251, 247



122, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

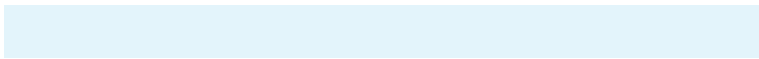
The Same Dimension uses a secret algorithm to generate beautiful new colors.



227, 240, 251



227, 242, 255



227, 237, 251



112, 119, 125



0, 102, 189



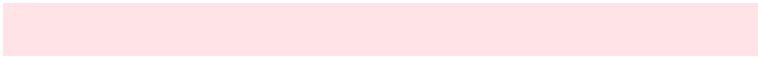
0, 33, 61

Inverse Universe

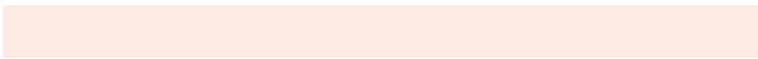
The Inverse Universe completely reimagines the original color for something new.



251, 227, 231



255, 227, 231



251, 239, 227



125, 112, 114



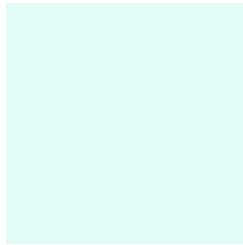
189, 0, 29



61, 0, 9

Previews

White Background



This preview shows how the RYB color 227, 240, 251 looks on a white background.

Color Contrast Check

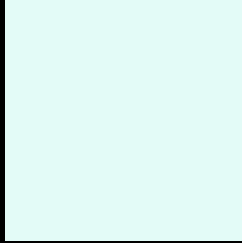
Large Text (above 18pt) WCAG AA × Fail

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 227, 240, 251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

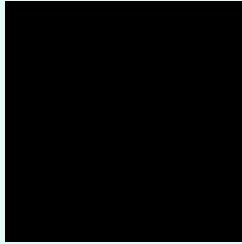
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

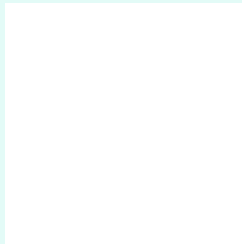
Any Text WCAG AAA ✓ Pass

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

RYB 227, 240, 251 Background



This preview shows how black text looks on a background with the RYB color 227, 240, 251.

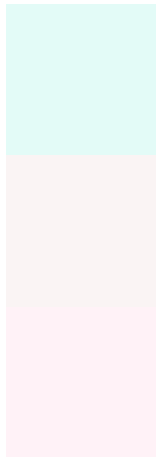


This preview shows how white text looks on a background with the RYB color 227, 240, 251.

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
227, 240, 251

Protanopia
250, 244, 244

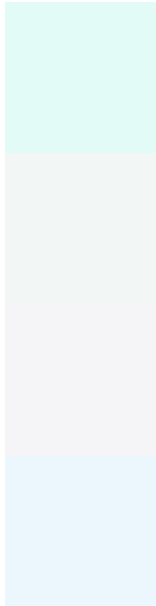
Deuteranopia
255, 242, 247



Tritanopia

240, 245, 255

Trichromacy



Original Color

227, 240, 251

Protanomaly

242, 245, 247

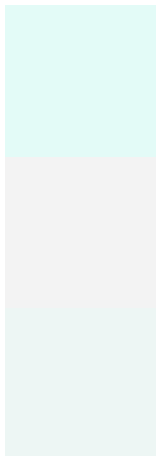
Deuteranomaly

245, 245, 247

Tritanomaly

235, 242, 252

Monochromacy



Original Color

227, 240, 251

Achromatopsia

243, 243, 243

Achromatomaly

237, 242, 246

CSS Examples

Text

The CSS property to change the color of the text to RYB 227, 240, 251 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(227, 251, 247)` looks like.

```
.text, #text, p{  
    color:rgb(227, 251, 247)  
}
```

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(227, 251, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 251, 247) }
```

Border

The CSS property to change the border of an element to RYB 227, 240, 251 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(227, 251, 247) }
```

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

```
.border{ border-color:rgb(227, 251, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 251, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 251, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 251, 247);  
box-shadow:4px 4px 4px 4px rgb(227, 251,  
247) }
```

Background

The CSS property to change the background color of an element to RYB 227, 240, 251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 251, 247) }
```

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

```
.background{ background-color: rgb(227,  
251, 247) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor