

Converting Colors

`RYB(227, 240, 255)`

Have a look what the booklet for RYB(227, 240, 255) contains.

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Color

R_YB(227, 240, 255)

Conversions

Conversions Part 1

Format	Color
Hex	E3FBFF
RGB	227, 251, 255
RGB Percent	89%, 98%, 100%
CMY	0.1098, 0.0146, 0.0000
CMYK	0.11, 0.01, 0.00, 0.00
HSL	188°, 100%, 95%
HSV	188°, 11%, 100%
XYZ	84.3091, 92.7120, 108.0594
YIQ	244.2800, -15.5880, -3.8440

Conversions

Conversions Part 2

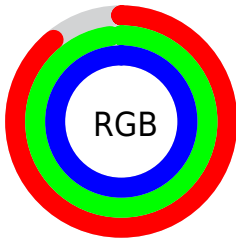
Format	Color
R _Y B	227, 240, 255
Decimal	14941183
CIE Lab	97.11, -7.13, -4.48
CIE LCh	97, 8.420, 212.113
Yxy	92.7120, 0.2957, 0.3252
Android (android.graphics.Color)	4293131263 (0xFFE3FBFF)
YUV	244.2800, 5.2850, -15.1546
Hunter-Lab	96.2871, -12.2075, 0.8620

Details

The RYB color **227, 240, 255** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **255, 232, 227**, and the grayscale version is **244, 244, 244**.

A 20% lighter version of the original color is **255, 255, 255**, and **171, 183, 198** is the 20% darker color. If you saturate the color by 10%, you get **202, 227, 255**, and if you desaturate by 10%, it is **252, 254, 255**.

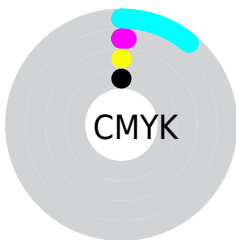
Distribution



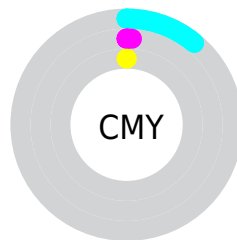
- Red (89%)
- Green (98%)
- Blue (100%)



- Red (89%)
- Yellow (94%)
- Blue (100%)



- Cyan (11%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 227, 240, 255 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, 255 by changing the saturation by 10% instead.

227, 240, 255

255, 255, 255

227, 240, 255

199, 212, 226

171, 184, 198

145, 157, 171

119, 131, 145

94, 106, 119

70, 81, 94

47, 58, 71

25, 36, 48

2, 14, 27

■ 227, 240, 255

■ 227, 240, 255

■ 202, 227, 255

■ 252, 254, 255

■ 176, 213, 255

255, 255, 255

■ 150, 199, 255

■ 125, 185, 255

■ 99, 171, 255

■ 74, 158, 255

■ 49, 144, 255

■ 23, 131, 255

■ 0, 118, 255

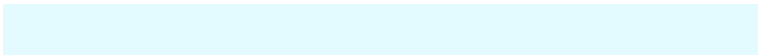
Harmonies

Analogous

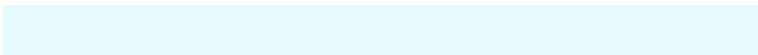
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



228, 241, 252



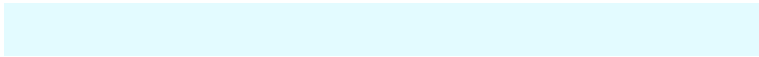
227, 240, 255



231, 242, 255

Triad

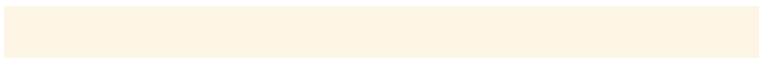
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



227, 240, 255



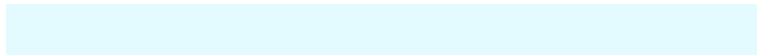
255, 242, 254



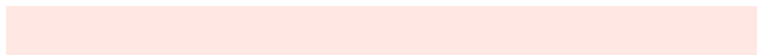
240, 253, 230

Complementary

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



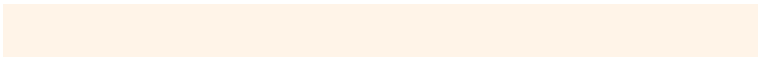
227, 240, 255



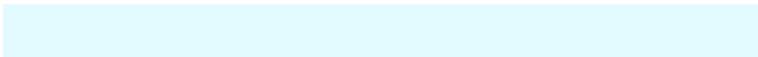
255, 232, 227

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.



253, 255, 232



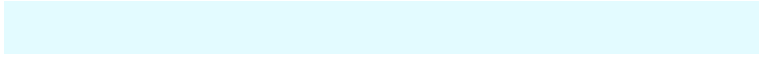
227, 240, 255



255, 241, 246

Square

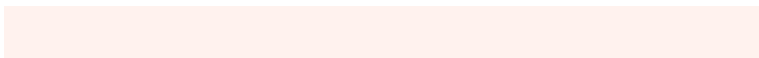
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



227, 240, 255



249, 244, 255



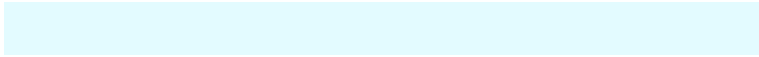
255, 243, 238



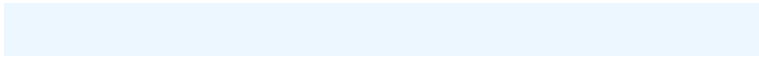
233, 249, 238

Rectangle

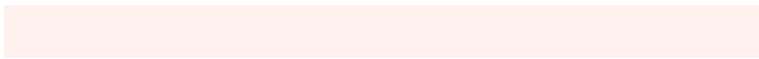
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



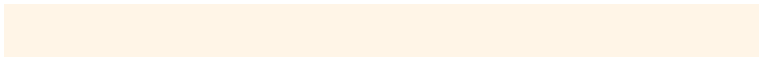
227, 240, 255



236, 243, 255



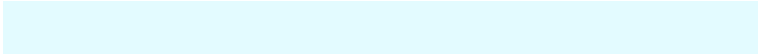
255, 243, 238



248, 255, 231

Sweetspot

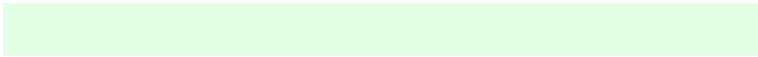
The Sweet Spot groups the original color and five complimentary colors.



227, 240, 255



247, 251, 255



227, 252, 255



122, 125, 128



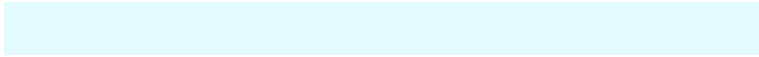
0, 0, 0



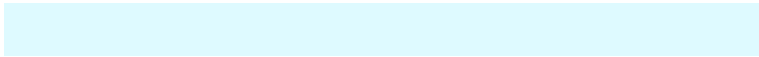
128, 128, 128

Same Dimension

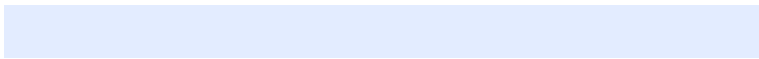
The Same Dimension uses a secret algorithm to generate beautiful new colors.



227, 240, 255



222, 237, 255



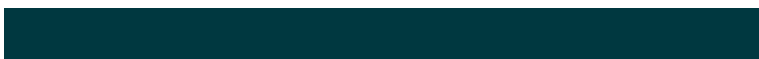
227, 234, 255



115, 121, 128



0, 89, 191



0, 30, 64

Inverse Universe

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



255, 227, 251



255, 222, 251



243, 255, 227



128, 115, 126



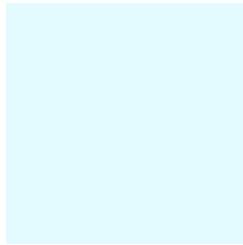
191, 0, 166



64, 0, 55

Previews

White Background



This preview shows how the RYB color 227, 240, 255 looks on a white background.

Color Contrast Check

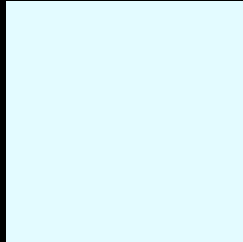
Large Text (above 18pt) WCAG AA × Fail

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, 255 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, 255 Background



This preview shows how black text looks on a background with the RYB color 227, 240, 255.

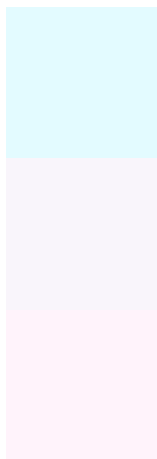


This preview shows how white text looks on a background with the RYB color 227, 240, 255.

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, 255

Protanopia
249, 245, 251

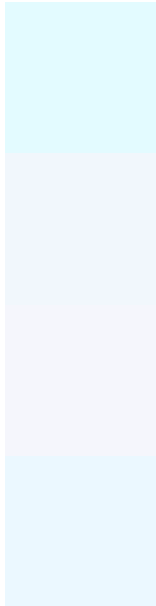
Deuteranopia
255, 243, 251



Tritanopia

240, 245, 255

Trichromacy



Original Color

227, 240, 255

Protanomaly

241, 245, 252

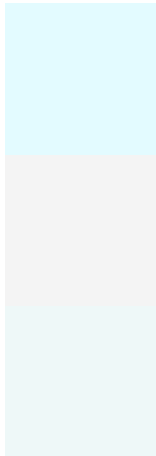
Deuteranomaly

245, 246, 252

Tritanomaly

235, 243, 255

Monochromacy



Original Color

227, 240, 255

Achromatopsia

244, 244, 244

Achromatomaly

238, 243, 248

CSS Examples

Text

The CSS property to change the color of the text to RYB 227, 240, 255 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 251, 255)  
}
```

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, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 251, 255) }
```

Border

The CSS property to change the border of an element to RYB 227, 240, 255 is called "border". The border property can be set on classes, ids or directly on the HTML element.

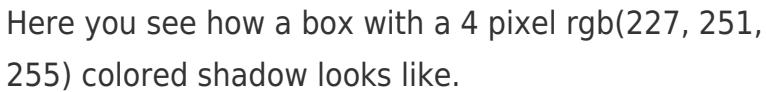
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 251, 255) }
```

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

```
.border{ border-color:rgb(227, 251, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 251,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 227, 240, 255 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, 255) }
```

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

```
.background{ background-color: rgb(227,  
251, 255) }
```

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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