

Converting Colors

`RYB(227, 246, 253)`

Have a look what the booklet for RYB(227, 246, 253) contains.

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Color

R_YB(227, 246, 253)

Conversions

Conversions Part 1

Format	Color
Hex	E3FDED
RGB	227, 253, 237
RGB Percent	89%, 99%, 93%
CMY	0.1098, 0.0078, 0.0722
CMYK	0.10, 0.00, 0.06, 0.01
HSL	142°, 87%, 94%
HSV	142°, 10%, 99%
XYZ	82.0284, 92.6713, 93.3626
YIQ	243.4020, -10.3600, -10.4880

Conversions

Conversions Part 2

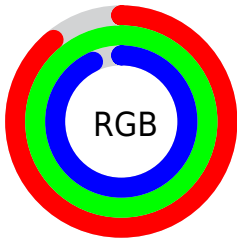
Format	Color
R_{YB}	227, 246, 253
Decimal	14941677
CIE _{Lab}	97.09, -11.43, 4.98
CIE _{LCh}	97, 12.471, 156.446
Yxy	92.6713, 0.3060, 0.3457
Android (android.graphics.Color)	4293131757 (0xFFE3FDED)
YUV	243.4020, -3.1562, -14.3846
Hunter-Lab	96.2659, -16.3651, 9.8843

Details

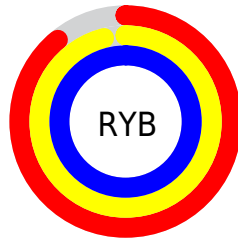
The RYB color **227, 246, 253** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **253, 227, 243**, and the grayscale version is **243, 243, 243**.

A 20% lighter version of the original color is **255, 255, 255**, and **172, 189, 196** is the 20% darker color. If you saturate the color by 10%, you get **202, 239, 253**, and if you desaturate by 10%, it is **252, 253, 253**.

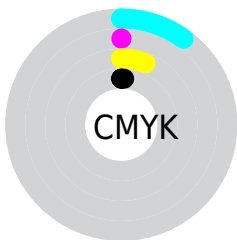
Distribution



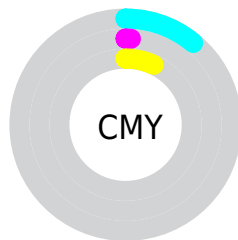
- Red (89%)
- Green (99%)
- Blue (93%)



- Red (89%)
- Yellow (96%)
- Blue (99%)



- Cyan (10%)
- Magenta (0%)
- Yellow (6%)
- Black (1%)



- Cyan (11%)
- Magenta (1%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 227, 246, 253 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, 246, 253 by changing the saturation by 10% instead.

 227, 246, 253

255, 255, 255


 227, 246, 253

 199, 217, 224

 172, 189, 196

 145, 162, 169

 119, 136, 143

 94, 111, 117

 70, 86, 92

 48, 63, 69

 26, 40, 46

 2, 18, 26

 227, 246, 253

 227, 246, 253

 202, 239, 253

 252, 253, 253

 176, 232, 253


 255, 253, 255


 151, 225, 253

 126, 219, 253

 100, 211, 253

 75, 205, 253

 50, 198, 253

 25, 192, 253

 0, 185, 253

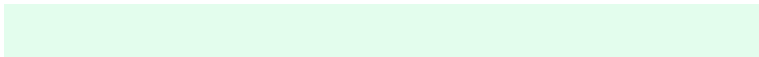
Harmonies

Analogous

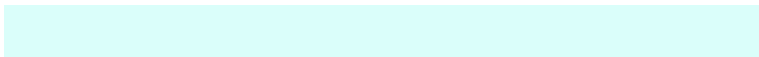
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



227, 250, 237



227, 246, 253



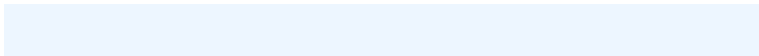
218, 237, 254

Triad

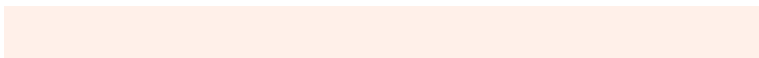
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



227, 246, 253



237, 243, 255



255, 243, 233

Complementary

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



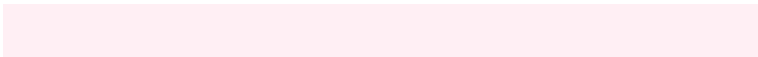
227, 246, 253



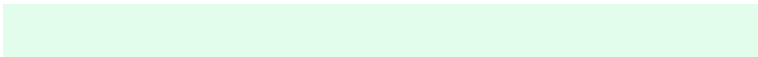
253, 227, 243

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, 244



227, 246, 253



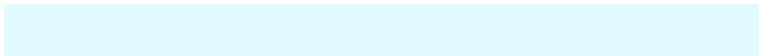
252, 243, 255

Square

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



227, 246, 253



224, 238, 255



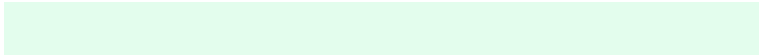
255, 240, 255



245, 255, 225

Rectangle

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



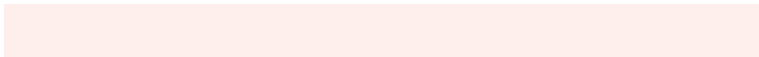
227, 246, 253



217, 236, 255



255, 240, 255



255, 240, 236

Sweetspot

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



227, 246, 253



247, 253, 255



227, 253, 237



122, 127, 128



0, 0, 0



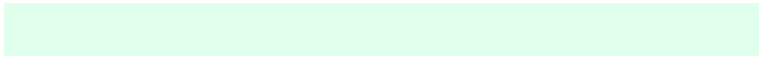
128, 128, 128

Same Dimension

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



227, 246, 253



224, 246, 255



227, 241, 253



115, 125, 128



0, 140, 191



0, 47, 64

Inverse Universe

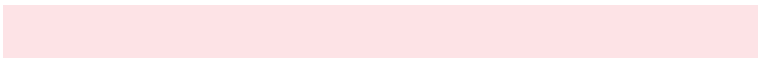
The Inverse Universe completely reimagines the original color for something new.



253, 227, 243



255, 224, 244



253, 227, 230



128, 115, 123



191, 0, 121



64, 0, 40

Previews

White Background



This preview shows how the RYB color 227, 246, 253 looks on a white background.

Color Contrast Check

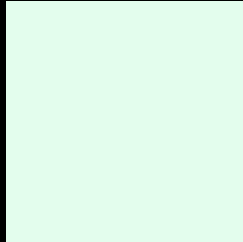
Large Text (above 18pt) WCAG AA × Fail

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, 246, 253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

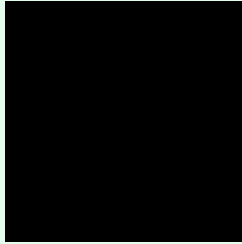
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

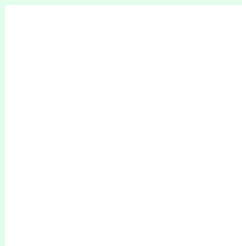
Any Text WCAG AAA ✓ Pass

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

RYB 227, 246, 253 Background



This preview shows how black text looks on a background with the RYB color 227, 246, 253.

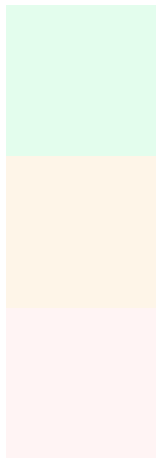


This preview shows how white text looks on a background with the RYB color 227, 246, 253.

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, 246, 253

Protanopia
247, 254, 232

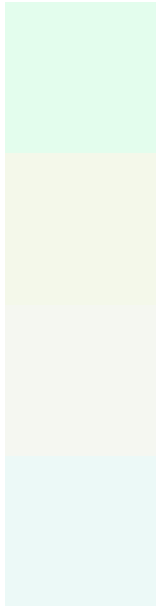
Deuteranopia
255, 244, 244



Tritanopia

241, 245, 255

Trichromacy



Original Color

227, 246, 253

Protanomaly

234, 248, 238

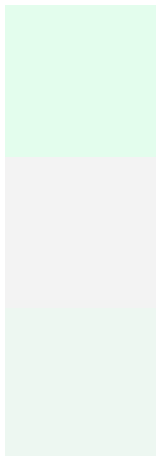
Deuteranomaly

241, 247, 243

Tritanomaly

236, 243, 249

Monochromacy



Original Color

227, 246, 253

Achromatopsia

243, 243, 243

Achromatomaly

237, 244, 247

CSS Examples

Text

The CSS property to change the color of the text to RYB 227, 246, 253 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, 253, 237)` looks like.

```
.text, #text, p{  
    color:rgb(227, 253, 237)  
}
```

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, 253, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 253, 237) }
```

Border

The CSS property to change the border of an element to RYB 227, 246, 253 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, 253, 237) }
```

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

```
.border{ border-color:rgb(227, 253, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 253, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 253, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 253, 237); box-shadow:4px 4px 4px 4px rgb(227, 253, 237) }
```

Background

The CSS property to change the background color of an element to RYB 227, 246, 253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 253, 237) }
```

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

```
.background{ background-color: rgb(227,  
253, 237) }
```

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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