

Converting Colors

`RYB(227, 237, 252)`

Have a look what the booklet for RYB(227, 237, 252) contains.

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Color

R_YB(227, 237, 252)

Conversions

Conversions Part 1

Format	Color
Hex	E3F4FC
RGB	227, 244, 252
RGB Percent	89%, 96%, 99%
CMY	0.1098, 0.0444, 0.0118
CMYK	0.10, 0.03, 0.00, 0.01
HSL	200°, 81%, 94%
HSV	200°, 10%, 99%
XYZ	81.4997, 87.8601, 104.7587
YIQ	239.8290, -12.7000, -1.1160

Conversions

Conversions Part 2

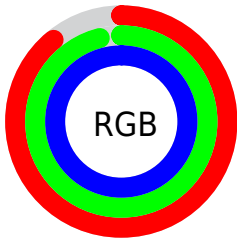
Format	Color
R _Y B	227, 237, 252
Decimal	14939388
CIE Lab	95.10, -3.87, -5.89
CIE LCh	95, 7.046, 236.674
Yxy	87.8601, 0.2973, 0.3205
Android (android.graphics.Color)	4293129468 (0xFFE3F4FC)
YUV	239.8290, 6.0003, -11.2510
Hunter-Lab	93.7337, -8.8316, -0.6501

Details

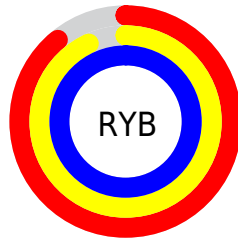
The RYB color `227, 237, 252` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `252, 239, 227`, and the grayscale version is `240, 240, 240`.

A 20% lighter version of the original color is `255, 255, 255`, and `172, 181, 195` is the 20% darker color. If you saturate the color by 10%, you get `202, 222, 252`, and if you desaturate by 10%, it is `252, 252, 252`.

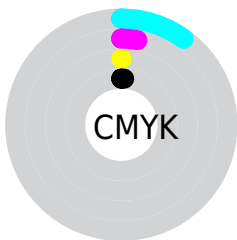
Distribution



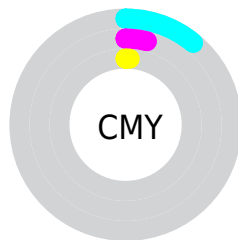
- Red (89%)
- Green (96%)
- Blue (99%)



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



- Cyan (10%)
- Magenta (3%)
- Yellow (0%)
- Black (1%)



- Cyan (11%)
- Magenta (4%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RYB color 227, 237, 252 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, 237, 252 by changing the saturation by 10% instead.

■ 227, 237, 252

255, 255, 255

■ 227, 237, 252

■ 199, 209, 223

■ 172, 181, 195

■ 145, 154, 168

■ 119, 128, 142

■ 94, 103, 116

■ 70, 79, 92

■ 48, 56, 68

■ 26, 34, 46

■ 2, 12, 25

■ 227, 237, 252

■ 227, 237, 252

■ 202, 222, 252

■ 252, 252, 252

■ 177, 207, 252

■ 252, 255, 252

■ 151, 191, 252

■ 126, 176, 252

■ 101, 162, 252

■ 76, 146, 252

■ 51, 131, 252

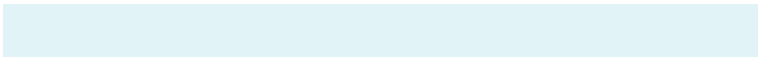
■ 25, 116, 252

■ 0, 101, 252

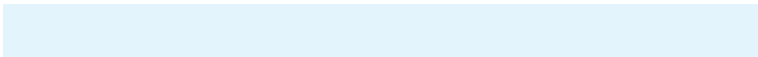
Harmonies

Analogous

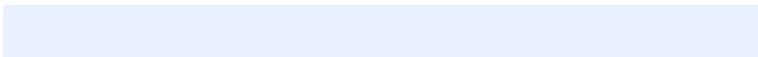
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



225, 235, 247



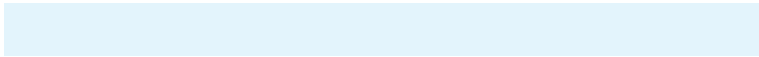
227, 237, 252



233, 239, 254

Triad

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



227, 237, 252



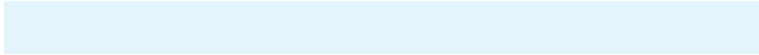
255, 236, 242



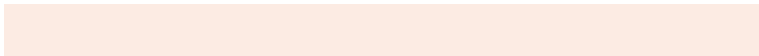
229, 242, 231

Complementary

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



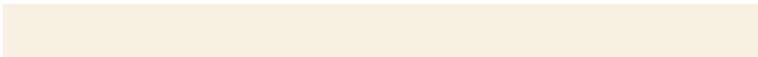
227, 237, 252



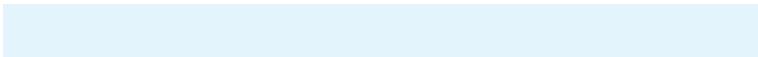
252, 239, 227

Split Complementary

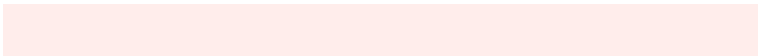
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



240, 248, 227



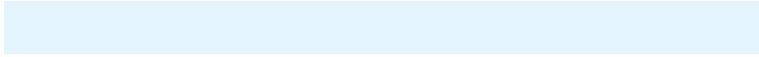
227, 237, 252



255, 237, 235

Square

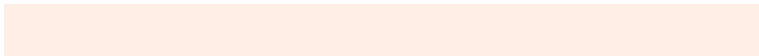
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



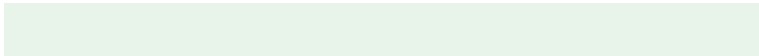
227, 237, 252



249, 237, 248



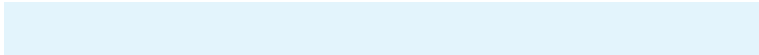
254, 242, 230



232, 243, 244

Rectangle

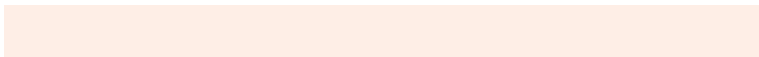
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



227, 237, 252



239, 240, 254



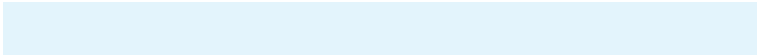
254, 242, 230



229, 243, 228

Sweetspot

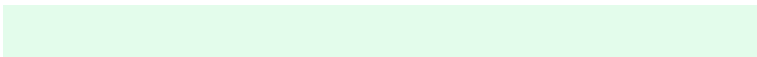
The Sweet Spot groups the original color and five complimentary colors.



227, 237, 252



247, 250, 255



227, 246, 252



122, 124, 128



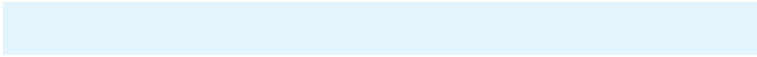
0, 0, 0



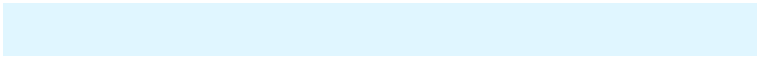
128, 128, 128

Same Dimension

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



227, 237, 252



224, 237, 255



227, 230, 252



112, 117, 125



0, 76, 189



0, 25, 61

Inverse Universe

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



252, 227, 244



255, 224, 245



232, 252, 227



125, 112, 121



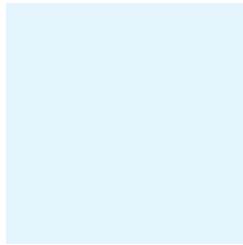
189, 0, 126



61, 0, 41

Previews

White Background



This preview shows how the RYB color 227, 237, 252 looks on a white background.

Color Contrast Check

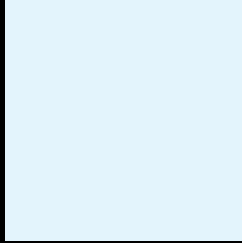
Large Text (above 18pt) WCAG AA × Fail

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, 237, 252 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

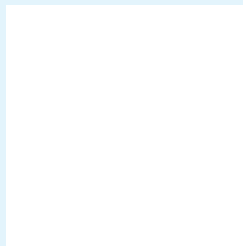
Any Text WCAG AAA ✓ Pass

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

RYB 227, 237, 252 Background



This preview shows how black text looks on a background with the RYB color 227, 237, 252.



This preview shows how white text looks on a background with the RYB color 227, 237, 252.

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](#).

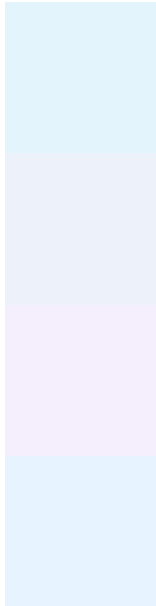
Dichromacy





Tritanopia
233, 239, 255

Trichromacy



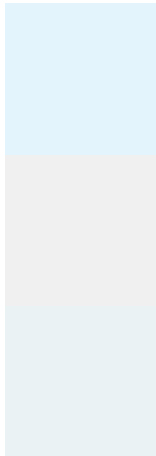
Original Color
227, 237, 252

Protanomaly
237, 240, 250

Deuteranomaly
245, 238, 252

Tritanomaly
231, 239, 254

Monochromacy



Original Color
227, 237, 252

Achromatopsia
240, 240, 240

Achromatomaly
235, 239, 244

CSS Examples

Text

The CSS property to change the color of the text to RYB 227, 237, 252 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, 244, 252)` looks like.

```
.text, #text, p{  
    color:rgb(227, 244, 252)  
}
```

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, 244, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 244, 252) }
```

Border

The CSS property to change the border of an element to RYB 227, 237, 252 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, 244, 252) }
```

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

```
.border{ border-color:rgb(227, 244, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 244, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 244, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 244, 252); box-shadow:4px 4px 4px 4px rgb(227, 244, 252) }
```

Background

The CSS property to change the background color of an element to RGB 227, 237, 252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 244, 252) }
```

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

```
.background{ background-color: rgb(227,  
244, 252) }
```

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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