

Converting Colors

`RYB(228, 242, 254)`

Have a look what the booklet for
RYB(228, 242, 254) contains.

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Color

R_YB(228, 242, 254)

Conversions

Conversions Part 1

Format	Color
Hex	E4FEFA
RGB	228, 254, 250
RGB Percent	89%, 100%, 98%
CMY	0.1059, 0.0039, 0.0185
CMYK	0.10, 0.00, 0.01, 0.00
HSL	171°, 93%, 95%
HSV	171°, 10%, 100%
XYZ	84.7369, 94.2977, 104.4127
YIQ	245.7700, -14.2120, -6.7560

Conversions

Conversions Part 2

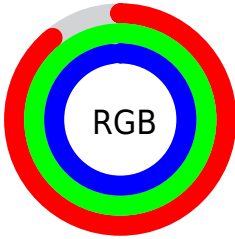
Format	Color
R_{YB}	228, 242, 254
Decimal	15007482
CIE _{Lab}	97.75, -9.08, -1.10
CIE _{LCh}	98, 9.151, 186.909
Yxy	94.2977, 0.2990, 0.3327
Android (android.graphics.Color)	4293197562 (0xFFE4FEFA)
YUV	245.7700, 2.0854, -15.5843
Hunter-Lab	97.1070, -14.1757, 4.2243

Details

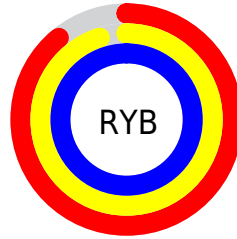
The RYB color **228, 242, 254** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **254, 228, 232**, and the grayscale version is **246, 246, 246**.

A 20% lighter version of the original color is **255, 255, 255**, and **172, 185, 197** is the 20% darker color. If you saturate the color by 10%, you get **203, 230, 254**, and if you desaturate by 10%, it is **253, 254, 254**.

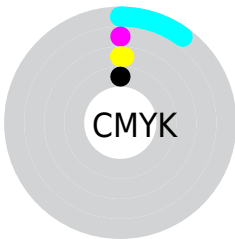
Distribution



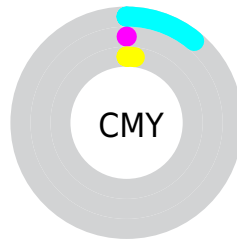
- Red (89%)
- Green (100%)
- Blue (98%)



- Red (89%)
- Yellow (95%)
- Blue (100%)



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



- Cyan (11%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 242, 254 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 228, 242, 254 by changing the saturation by 10% instead.

 228, 242, 254


255, 255, 255


 228, 242, 254


 200, 213, 225


 172, 185, 197

 146, 159, 170

 120, 133, 144

 95, 107, 118

 71, 83, 93

 48, 60, 70

 26, 37, 47

 3, 16, 27

228, 242, 254

228, 242, 254

203, 230, 254

253, 254, 254

177, 218, 254

255, 254, 255

152, 207, 254

126, 195, 254

101, 183, 254

76, 172, 254

50, 160, 254

25, 148, 254

0, 137, 254

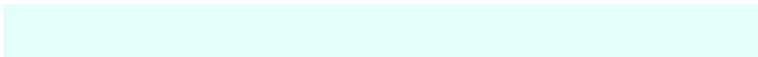
Harmonies

Analogous

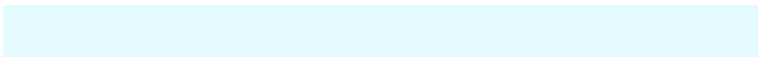
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



234, 248, 253



228, 242, 254



227, 240, 255

Triad

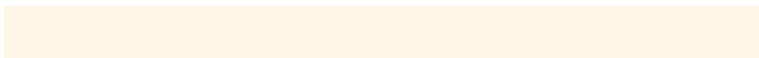
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



228, 242, 254



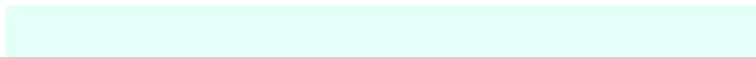
253, 246, 255



247, 255, 232

Complementary

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



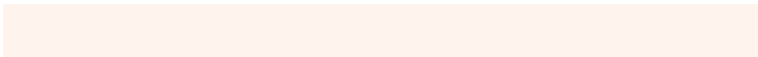
228, 242, 254



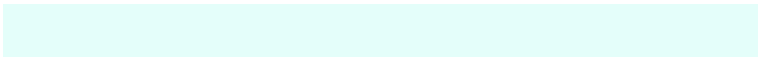
254, 228, 232

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, 245, 238



228, 242, 254



255, 243, 255

Square

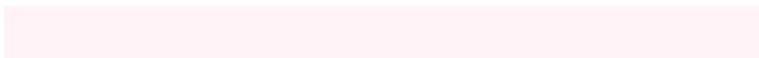
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



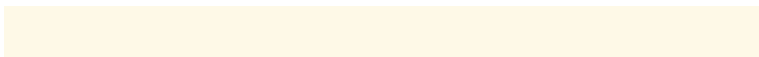
228, 242, 254



242, 247, 255



255, 243, 247



237, 254, 231

Rectangle

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



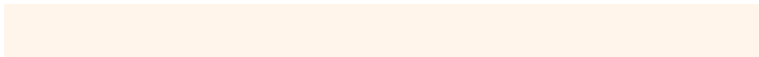
228, 242, 254



230, 242, 255



255, 243, 247



253, 255, 234

Sweetspot

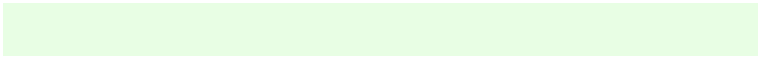
The Sweet Spot groups the original color and five complimentary colors.



228, 242, 254



247, 251, 255



228, 254, 250



122, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

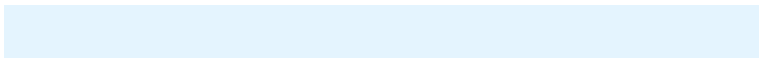
The Same Dimension uses a secret algorithm to generate beautiful new colors.



228, 242, 254



224, 241, 255



228, 238, 254



115, 122, 128



0, 103, 191



0, 34, 64

Inverse Universe

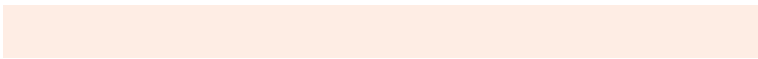
The Inverse Universe completely reimagines the original color for something new.



254, 228, 232



255, 224, 229



254, 242, 228



128, 115, 117



191, 0, 27



64, 0, 9

Previews

White Background



This preview shows how the RYB color 228, 242, 254 looks on a white background.

Color Contrast Check

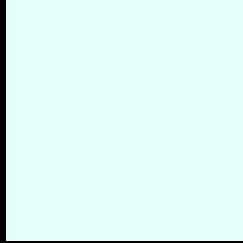
Large Text (above 18pt) WCAG AA × Fail

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 228, 242, 254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

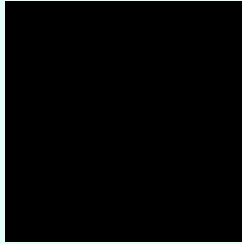
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

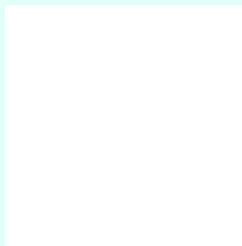
Any Text WCAG AAA ✓ Pass

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

RYB 228, 242, 254 Background



This preview shows how black text looks on a background with the RYB color 228, 242, 254.



This preview shows how white text looks on a background with the RYB color 228, 242, 254.

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
228, 242, 254

Protanopia
253, 247, 246

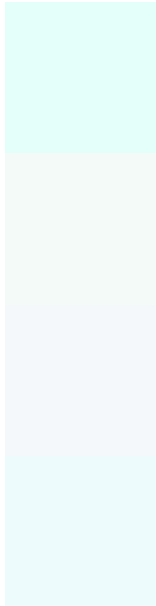
Deuteranopia
255, 246, 250



Tritanopia

244, 247, 255

Trichromacy



Original Color

228, 242, 254

Protanomaly

244, 248, 250

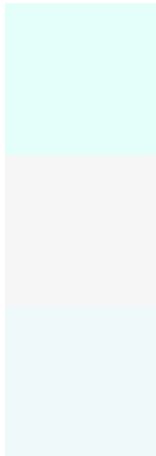
Deuteranomaly

245, 247, 250

Tritanomaly

238, 245, 253

Monochromacy



Original Color

228, 242, 254

Achromatopsia

246, 246, 246

Achromatomaly

239, 244, 249

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 242, 254 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(228, 254, 250)` looks like.

```
.text, #text, p{  
    color:rgb(228, 254, 250)  
}
```

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(228, 254, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 254, 250) }
```

Border

The CSS property to change the border of an element to RYB 228, 242, 254 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(228, 254, 250) }
```

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

```
.border{ border-color:rgb(228, 254, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 254, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 254, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 254, 250);  
box-shadow:4px 4px 4px 4px rgb(228, 254,  
250) }
```

Background

The CSS property to change the background color of an element to RYB 228, 242, 254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 254, 250) }
```

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

```
.background{ background-color: rgb(228,  
254, 250) }
```

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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