

Converting Colors

`RYB(216, 255, 229)`

Have a look what the booklet for
RYB(216, 255, 229) contains.

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Color

R_YB(216, 255, 229)

Conversions

Conversions Part 1

Format	Color
Hex	F2FFD8
RGB	242, 255, 216
RGB Percent	95%, 100%, 85%
CMY	0.0510, 0.0000, 0.1529
CMYK	0.05, 0.00, 0.15, 0.00
HSL	80°, 100%, 92%
HSV	80°, 15%, 100%
XYZ	84.7726, 95.3551, 78.9031
YIQ	246.6670, 4.7710, -14.8850

Conversions

Conversions Part 2

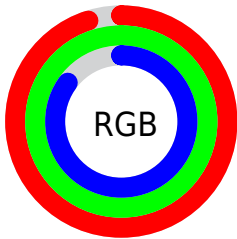
Format	Color
R _Y B	216, 255, 229
Decimal	15925208
CIE Lab	98.18, -10.84, 17.21
CIE LCh	98, 20.343, 122.209
Yxy	95.3551, 0.3273, 0.3681
Android (android.graphics.Color)	4294115288 (0xFFFF2FFD8)
YUV	246.6670, -15.1188, -4.0930
Hunter-Lab	97.6499, -15.9266, 20.4474

Details

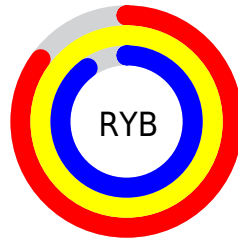
The RYB color **216, 255, 229** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **229, 216, 255**, and the grayscale version is **247, 247, 247**.

A 20% lighter version of the original color is **255, 255, 255**, and **161, 198, 173** is the 20% darker color. If you saturate the color by 10%, you get **191, 255, 212**, and if you desaturate by 10%, it is **242, 255, 246**.

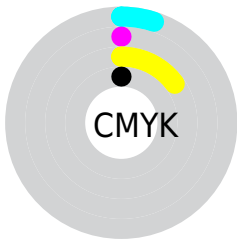
Distribution



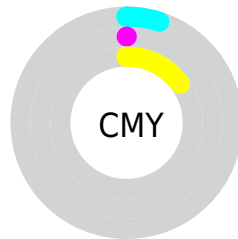
- Red (95%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (90%)



- Cyan (5%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 216, 255, 229 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 216, 255, 229 by changing the saturation by 10% instead.

216, 255, 229

255, 255, 255

216, 255, 229

188, 226, 200

161, 198, 173

135, 171, 147

109, 144, 121

85, 119, 97

62, 94, 73

39, 70, 50

19, 48, 30

0, 27, 11

■ 216, 255, 229

■ 216, 255, 229

■ 191, 255, 212

■ 242, 255, 246

■ 165, 255, 195

255, 255, 255

■ 140, 255, 179

■ 114, 255, 161

■ 89, 255, 145

■ 63, 255, 127

■ 37, 255, 110

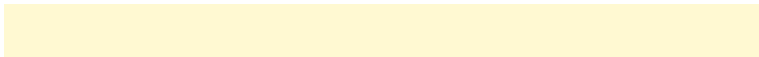
■ 12, 255, 93

■ 0, 255, 85

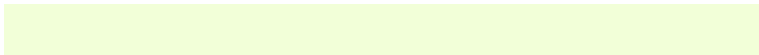
Harmonies

Analogous

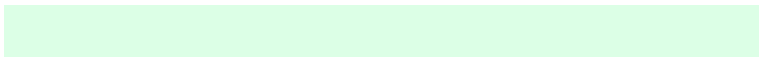
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



217, 255, 210



216, 255, 229



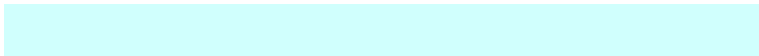
220, 247, 255

Triad

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



216, 255, 229



208, 232, 255



255, 236, 249

Complementary

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



216, 255, 229



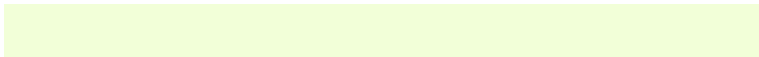
229, 216, 255

Split Complementary

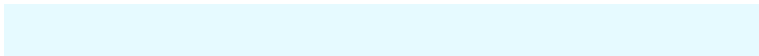
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 239, 255



216, 255, 229



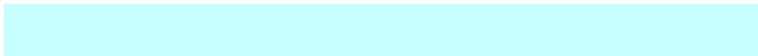
230, 241, 255

Square

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



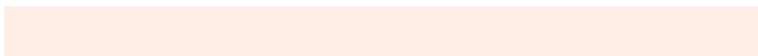
216, 255, 229



198, 227, 255



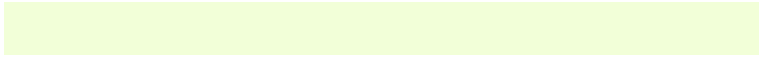
255, 244, 255



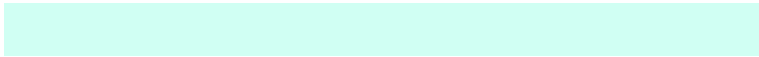
255, 243, 229

Rectangle

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



216, 255, 229



208, 235, 255



255, 244, 255



255, 237, 255

Sweetspot

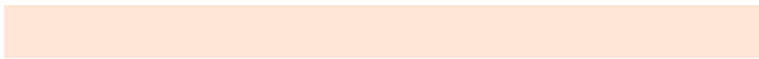
The Sweet Spot groups the original color and five complimentary colors.



216, 255, 229



242, 255, 246



255, 236, 216



120, 128, 123



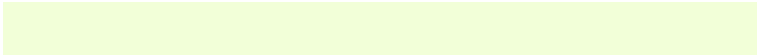
0, 0, 0



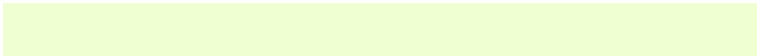
128, 128, 128

Same Dimension

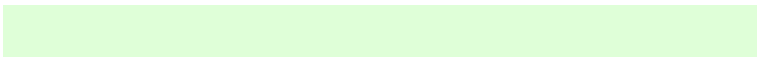
The Same Dimension uses a secret algorithm to generate beautiful new colors.



216, 255, 229



209, 255, 224



216, 255, 248



115, 128, 120



0, 191, 64



0, 64, 22

Inverse Universe

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



229, 216, 255



224, 209, 255



249, 216, 255



119, 115, 128



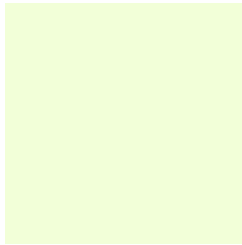
64, 0, 191



21, 0, 64

Previews

White Background



This preview shows how the RYB color 216, 255, 229 looks on a white background.

Color Contrast Check

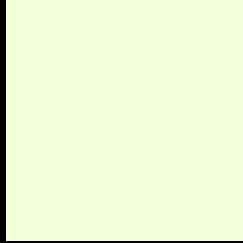
Large Text (above 18pt) WCAG AA × Fail

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 216, 255, 229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

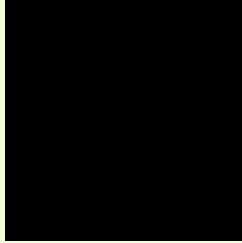
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

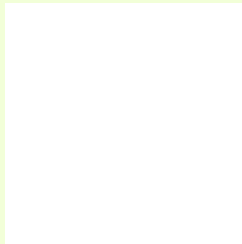
Any Text WCAG AAA ✓ Pass

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

RYB 216, 255, 229 Background



This preview shows how black text looks on a background with the RYB color 216, 255, 229.

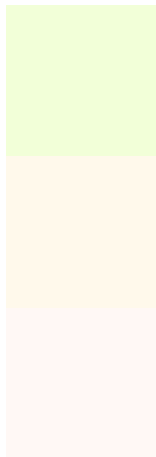


This preview shows how white text looks on a background with the RYB color 216, 255, 229.

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
216, 255, 229

Protanopia
244, 255, 235

Deuteranopia
255, 249, 245



Tritanopia

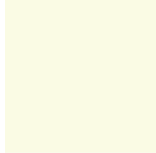
250, 249, 255

Trichromacy



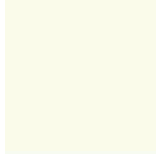
Original Color

216, 255, 229



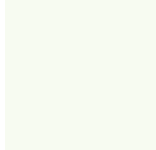
Protanomaly

228, 251, 229



Deuteranomaly

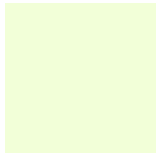
234, 251, 235



Tritanomaly

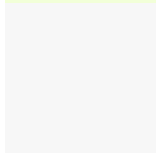
241, 251, 245

Monochromacy



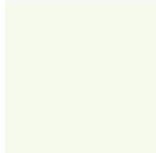
Original Color

216, 255, 229



Achromatopsia

247, 247, 247



Achromatomaly

236, 250, 241

CSS Examples

Text

The CSS property to change the color of the text to RYB 216, 255, 229 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(242, 255, 216) looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 216)  
}
```

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(242, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 216) }
```

Border

The CSS property to change the border of an element to RYB 216, 255, 229 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(242, 255, 216) }
```

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

```
.border{ border-color:rgb(242, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
216) }
```

Background

The CSS property to change the background color of an element to RYB 216, 255, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 216) }
```

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

```
.background{ background-color: rgb(242,  
255, 216) }
```

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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