

Converting Colors

`RYB(216, 255, 201)`

Have a look what the booklet for
RYB(216, 255, 201) contains.

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Color

R_YB(216, 255, 201)

Conversions

Conversions Part 1

Format	Color
Hex	FFF3C9
RGB	255, 243, 201
RGB Percent	100%, 95%, 79%
CMY	0.0000, 0.0460, 0.2118
CMYK	0.00, 0.05, 0.21, 0.00
HSL	47°, 100%, 89%
HSV	47°, 21%, 100%
XYZ	83.9113, 89.7345, 68.1562
YIQ	241.8000, 20.6340, -10.5180

Conversions

Conversions Part 2

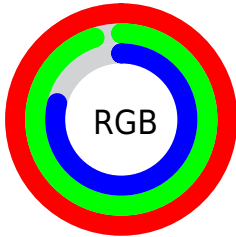
Format	Color
R _Y B	216, 255, 201
Decimal	16774089
CIE Lab	95.89, -2.61, 21.82
CIE LCh	96, 21.979, 96.827
Yxy	89.7345, 0.3470, 0.3711
Android (android.graphics.Color)	4294964169 (0xFFFFF3C9)
YUV	241.8000, -20.1144, 11.5764
Hunter-Lab	94.7283, -7.6573, 23.6511

Details

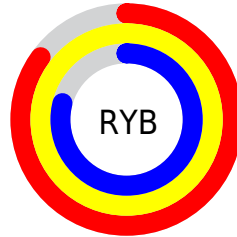
The RYB color **216, 255, 201** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **201, 211, 255**, and the grayscale version is **242, 242, 242**.

A 20% lighter version of the original color is **255, 255, 255**, and **161, 198, 147** is the 20% darker color. If you saturate the color by 10%, you get **198, 255, 176**, and if you desaturate by 10%, it is **235, 255, 227**.

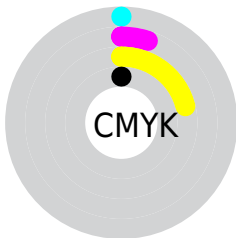
Distribution



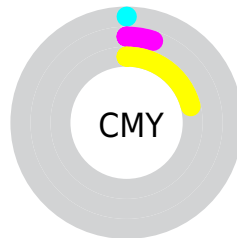
- Red (100%)
- Green (95%)
- Blue (79%)



- Red (85%)
- Yellow (100%)
- Blue (79%)



- Cyan (0%)
- Magenta (5%)
- Yellow (21%)
- Black (0%)



- Cyan (0%)
- Magenta (5%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RYB color 216, 255, 201 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, 201 by changing the saturation by 10% instead.


 216, 255, 201

255, 255, 255

 216, 255, 201

 188, 226, 174

 161, 198, 147

 134, 170, 121

 107, 143, 96

 82, 117, 72

 57, 92, 49

 34, 68, 27

 9, 45, 3

 2, 22, 0

■ 216, 255, 201

■ 216, 255, 201

■ 198, 255, 176

■ 235, 255, 227

■ 179, 255, 150

■ 254, 255, 252

■ 160, 255, 124

■ 255, 255, 255

■ 142, 255, 99

■ 123, 255, 73

■ 106, 255, 48

■ 87, 255, 22

■ 70, 255, 0

Harmonies

Analogous

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



236, 255, 205



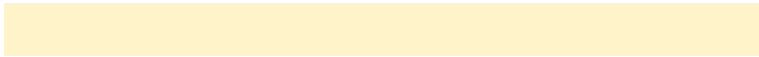
216, 255, 201



209, 250, 228

Triad

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



216, 255, 201



187, 221, 255



255, 230, 255

Complementary

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



216, 255, 201



201, 211, 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.



253, 236, 255



216, 255, 201



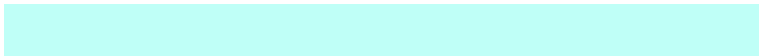
201, 227, 255

Square

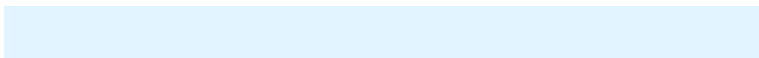
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



216, 255, 201



191, 225, 255



226, 237, 255



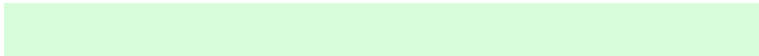
255, 228, 239

Rectangle

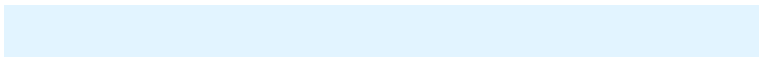
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



216, 255, 201



215, 249, 253



226, 237, 255



255, 232, 255

Sweetspot

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



216, 255, 201



244, 255, 240



255, 201, 214



122, 128, 119



0, 0, 0



128, 128, 128

Same Dimension

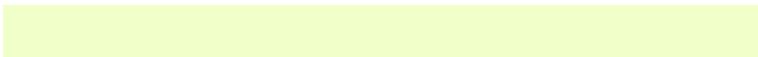
The Same Dimension uses a secret algorithm to generate beautiful new colors.



216, 255, 201



209, 255, 191



201, 255, 215



119, 128, 115



52, 191, 0



18, 64, 0

Inverse Universe

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



201, 211, 255



191, 202, 255



215, 201, 255



115, 117, 128



0, 34, 191



0, 11, 64

Previews

White Background



This preview shows how the RYB color 216, 255, 201 looks on a white background.

Color Contrast Check

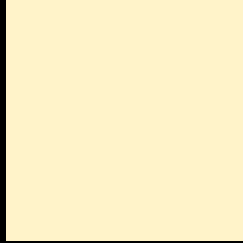
Large Text (above 18pt) WCAG AA × Fail

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, 201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

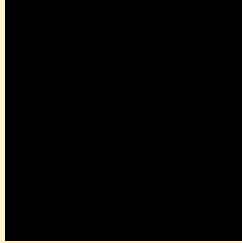
Any Text WCAG AA ✓ Pass

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, 201 Background



This preview shows how black text looks on a background with the RYB color 216, 255, 201.

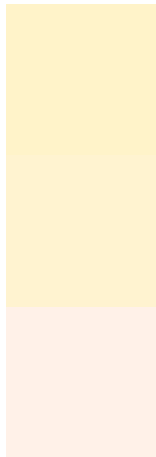


This preview shows how white text looks on a background with the RYB color 216, 255, 201.

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, 201

Protanopia
224, 255, 208

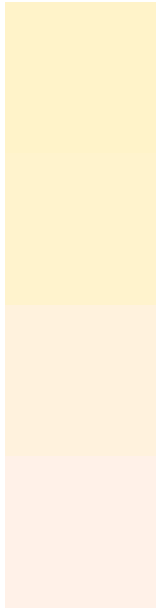
Deuteranopia
255, 247, 232



Tritanopia

255, 239, 250

Trichromacy



Original Color

216, 255, 201

Protanomaly

221, 255, 205

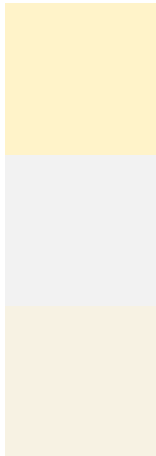
Deuteranomaly

242, 255, 221

Tritanomaly

255, 247, 232

Monochromacy



Original Color

216, 255, 201

Achromatopsia

242, 242, 242

Achromatomaly

234, 247, 227

CSS Examples

Text

The CSS property to change the color of the text to RYB 216, 255, 201 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(255, 243, 201) looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 201)  
}
```

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(255, 243, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 201) }
```

Border

The CSS property to change the border of an element to RYB 216, 255, 201 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(255, 243, 201) }
```

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

```
.border{ border-color:rgb(255, 243, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
201) }
```

Background

The CSS property to change the background color of an element to RYB 216, 255, 201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 201) }
```

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

```
.background{ background-color: rgb(255,  
243, 201) }
```

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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