

Converting Colors

`RYB(218, 255, 201)`

Have a look what the booklet for
RYB(218, 255, 201) contains.

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Color

R_YB(218, 255, 201)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2C9
RGB	255, 242, 201
RGB Percent	100%, 95%, 79%
CMY	0.0000, 0.0507, 0.2118
CMYK	0.00, 0.05, 0.21, 0.00
HSL	46°, 100%, 89%
HSV	46°, 21%, 100%
XYZ	83.5557, 89.0232, 68.0377
YIQ	241.2130, 20.9090, -9.9950

Conversions

Conversions Part 2

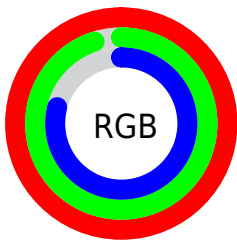
Format	Color
RYB	218, 255, 201
Decimal	16773833
CIELab	95.59, -2.01, 21.41
CIELCh	96, 21.506, 95.372
Yxy	89.0232, 0.3473, 0.3700
Android (android.graphics.Color)	4294963913 (0xFFFFF2C9)
YUV	241.2130, -19.8250, 12.0912
Hunter-Lab	94.3521, -7.0414, 23.2922

Details

The RYB color **218, 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 **241, 241, 241**.

A 20% lighter version of the original color is **255, 255, 255**, and **163, 198, 147** is the 20% darker color. If you saturate the color by 10%, you get **201, 255, 176**, and if you desaturate by 10%, it is **236, 255, 227**.

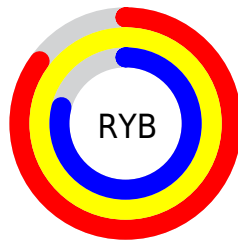
Distribution



Red (100%)

Green (95%)

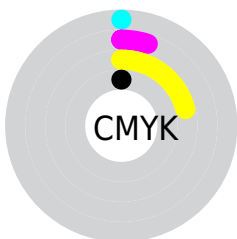
Blue (79%)



Red (85%)

Yellow (100%)

Blue (79%)

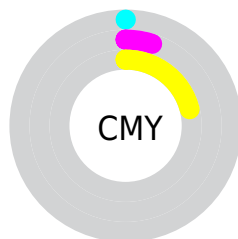


Cyan (0%)

Magenta (5%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RYB color 218, 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 218, 255, 201 by changing the saturation by 10% instead.

218, 255, 201

255, 255, 255

218, 255, 201

190, 226, 174

163, 198, 147

135, 170, 121

109, 143, 96

83, 117, 72

59, 92, 49

35, 68, 27

10, 45, 3

3, 22, 0

■ 218, 255, 201

■ 218, 255, 201

■ 201, 255, 176

■ 236, 255, 227

■ 183, 255, 150

■ 254, 255, 252

■ 165, 255, 124

■ 255, 255, 255

■ 148, 255, 99

■ 129, 255, 73

■ 114, 255, 48

■ 96, 255, 22

■ 80, 255, 0

Harmonies

Analogous

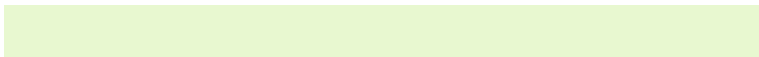
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



238, 255, 205



218, 255, 201



208, 248, 224

Triad

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



218, 255, 201



188, 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.



218, 255, 201



201, 211, 255

Split Complementary

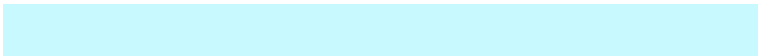
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



251, 236, 255



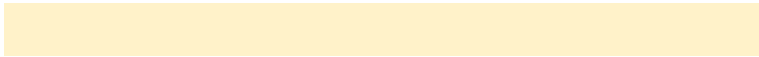
218, 255, 201



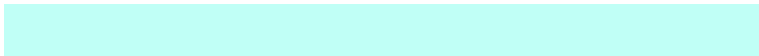
200, 226, 255

Square

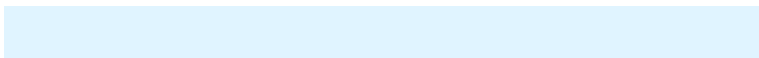
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



218, 255, 201



192, 226, 255



224, 236, 255



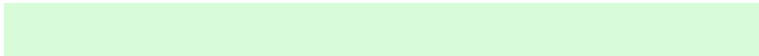
255, 228, 239

Rectangle

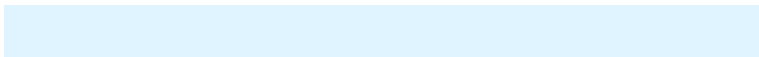
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



218, 255, 201



216, 250, 252



224, 236, 255



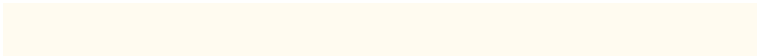
255, 232, 255

Sweetspot

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



218, 255, 201



245, 255, 240



255, 201, 215



124, 128, 119



0, 0, 0



128, 128, 128

Same Dimension

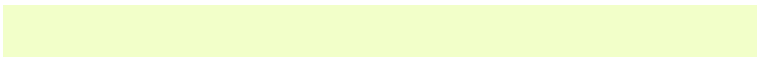
The Same Dimension uses a secret algorithm to generate beautiful new colors.



218, 255, 201



211, 255, 191



201, 255, 214



121, 128, 115



61, 191, 0



21, 64, 0

Inverse Universe

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



201, 211, 255



191, 204, 255



215, 201, 255



115, 117, 128



0, 37, 191



0, 12, 64

Previews

White Background



This preview shows how the RYB color 218, 255, 201 looks on a white background.

Color Contrast Check

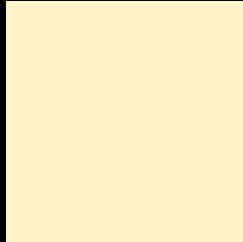
Large Text (above 18pt) WCAG AA × Fail

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 218, 255, 201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

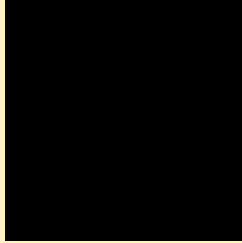
Any Text WCAG AA ✓ Pass

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 218, 255, 201 Background



This preview shows how black text looks on a background with the RYB color 218, 255, 201.



This preview shows how white text looks on a background with the RYB color 218, 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

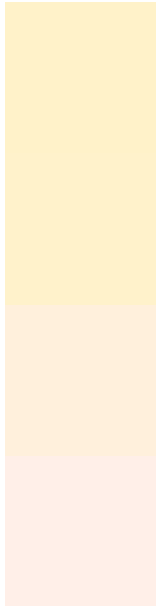
	Original Color 218, 255, 201
	Protanopia 221, 255, 204
	Deuteranopia 255, 243, 231



Tritanopia

255, 238, 249

Trichromacy



Original Color

218, 255, 201

Protanomaly

220, 255, 203

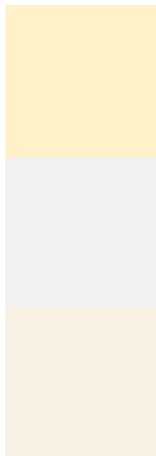
Deuteranomaly

246, 255, 220

Tritanomaly

255, 242, 232

Monochromacy



Original Color

218, 255, 201

Achromatopsia

241, 241, 241

Achromatomaly

233, 246, 226

CSS Examples

Text

The CSS property to change the color of the text to RYB 218, 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, 242, 201) looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 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, 242, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 201) }
```

Border

The CSS property to change the border of an element to RYB 218, 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, 242, 201) }
```

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

```
.border{ border-color:rgb(255, 242, 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, 242, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
201) }
```

Background

The CSS property to change the background color of an element to RGB 218, 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, 242, 201) }
```

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

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