

Converting Colors

`RYB(242, 255, 170)`

Have a look what the booklet for
RYB(242, 255, 170) contains.

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Color

R_YB(242, 255, 170)

Conversions

Conversions Part 1

Format	Color
Hex	FFD8AA
RGB	255, 216, 170
RGB Percent	100%, 85%, 67%
CMY	0.0000, 0.1529, 0.3333
CMYK	0.00, 0.15, 0.33, 0.00
HSL	32°, 100%, 83%
HSV	32°, 33%, 100%
XYZ	73.0565, 73.2838, 48.3249
YIQ	222.4170, 38.0100, -6.0380

Conversions

Conversions Part 2

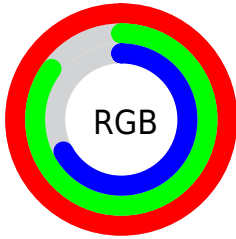
Format	Color
RYP	242, 255, 170
Decimal	16767146
CIELab	88.58, 7.22, 27.76
CIElCh	89, 28.682, 75.413
Yxy	73.2838, 0.3753, 0.3765
Android (android.graphics.Color)	4294957226 (0xFFFFD8AA)
YUV	222.4170, -25.8416, 28.5753
Hunter-Lab	85.6060, 2.5222, 26.4547

Details

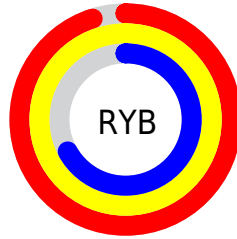
The RYB color **242, 255, 170** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **170, 197, 255**, and the grayscale version is **223, 223, 223**.

A 20% lighter version of the original color is **226, 255, 226**, and **182, 197, 117** is the 20% darker color. If you saturate the color by 10%, you get **240, 255, 145**, and if you desaturate by 10%, it is **244, 255, 195**.

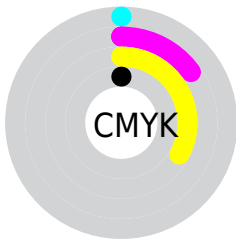
Distribution



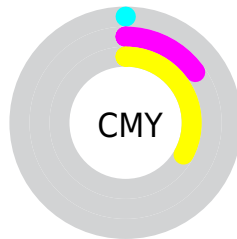
- Red (100%)
- Green (85%)
- Blue (67%)



- Red (95%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (15%)
- Yellow (33%)
- Black (0%)



- Cyan (0%)
- Magenta (15%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 242, 255, 170 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 242, 255, 170 by changing the saturation by 10% instead.

 242, 255, 170


255, 255, 255

 226, 255, 226

254, 255, 254

 242, 255, 170

 213, 226, 143

 182, 197, 117

 155, 169, 93

 126, 142, 69

 96, 115, 46

 69, 89, 23

 36, 64, 0

 40, 40, 0

 3, 0, 0

■ 242, 255, 170

■ 242, 255, 170

■ 240, 255, 145

■ 244, 255, 195

■ 233, 255, 119

■ 251, 255, 221

■ 231, 255, 94

■ 255, 255, 247

■ 227, 255, 68

255, 255, 255

■ 220, 255, 42

■ 218, 255, 17

■ 216, 255, 0

Harmonies

Analogous

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



255, 219, 185



242, 255, 170



172, 228, 169

Triad

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



242, 255, 170



147, 193, 238



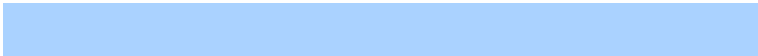
244, 211, 255

Complementary

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



242, 255, 170



170, 197, 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.



209, 218, 255



242, 255, 170



147, 195, 255

Square

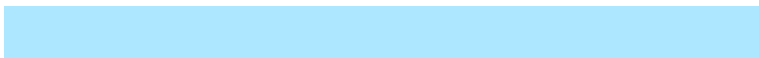
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



242, 255, 170



167, 211, 237



172, 206, 255



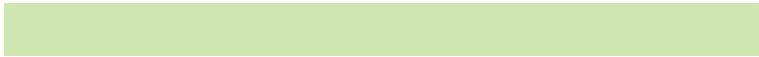
255, 204, 237

Rectangle

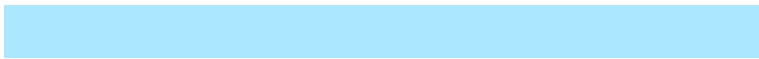
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



242, 255, 170



177, 230, 199



172, 206, 255



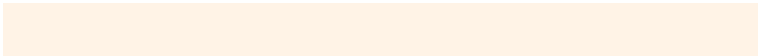
233, 214, 255

Sweetspot

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



242, 255, 170



253, 255, 230



255, 170, 210



128, 128, 112



0, 0, 0



128, 128, 128

Same Dimension

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



242, 255, 170



240, 255, 153



170, 255, 173



126, 128, 115



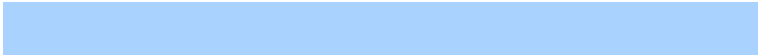
160, 191, 0



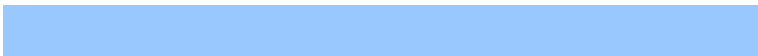
53, 64, 0

Inverse Universe

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



170, 197, 255



153, 185, 255



173, 170, 255



115, 119, 128



0, 60, 191



0, 20, 64

Previews

White Background



This preview shows how the RYB color 242, 255, 170 looks on a white background.

Color Contrast Check

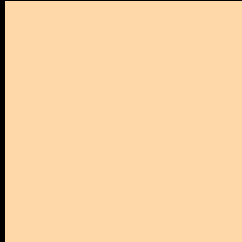
Large Text (above 18pt) WCAG AA × Fail

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 242, 255, 170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

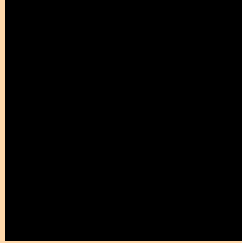
Any Text WCAG AA ✓ Pass

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 242, 255, 170 Background



This preview shows how black text looks on a background with the RYB color 242, 255, 170.



This preview shows how white text looks on a background with the RYB color 242, 255, 170.

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
242, 255, 170

Protanopia
193, 237, 173

Deuteranopia
255, 244, 181



Tritanopia
255, 211, 224

Trichromacy



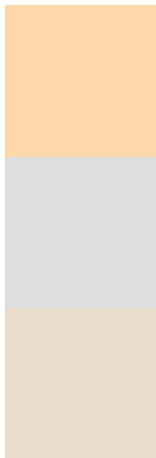
Original Color
242, 255, 170

Protanomaly
208, 244, 172

Deuteranomaly
255, 251, 177

Tritanomaly
255, 215, 204

Monochromacy



Original Color
242, 255, 170

Achromatopsia
222, 222, 222

Achromatomaly
229, 234, 203

CSS Examples

Text

The CSS property to change the color of the text to RYB 242, 255, 170 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, 216, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 170)  
}
```

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, 216, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 170) }
```

Border

The CSS property to change the border of an element to RYB 242, 255, 170 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, 216, 170) }
```

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

```
.border{ border-color:rgb(255, 216, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
170) }
```

Background

The CSS property to change the background color of an element to RGB 255, 216, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 170) }
```

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

```
.background{ background-color: rgb(255,  
216, 170) }
```

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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