

Converting Colors

`RYB(230, 255, 195)`

Have a look what the booklet for
RYB(230, 255, 195) contains.

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Color

R_YB(230, 255, 195)

Conversions

Conversions Part 1

Format	Color
Hex	FFE9C3
RGB	255, 233, 195
RGB Percent	100%, 91%, 76%
CMY	0.0000, 0.0867, 0.2353
CMYK	0.00, 0.09, 0.24, 0.00
HSL	38°, 100%, 88%
HSV	38°, 24%, 100%
XYZ	80.1994, 83.4184, 63.5042
YIQ	235.2460, 25.3100, -7.1540

Conversions

Conversions Part 2

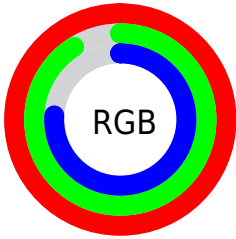
Format	Color
R _Y B	230, 255, 195
Decimal	16771523
CIE Lab	93.20, 1.80, 21.17
CIE LCh	93, 21.247, 85.142
Yxy	83.4184, 0.3531, 0.3673
Android (android.graphics.Color)	4294961603 (0xFFFFE9C3)
YUV	235.2460, -19.8413, 17.3243
Hunter-Lab	91.3337, -3.0943, 22.7093

Details

The RYB color **230, 255, 195** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **195, 211, 255**, and the grayscale version is **235, 235, 235**.

A 20% lighter version of the original color is **252, 255, 252**, and **174, 198, 141** is the 20% darker color. If you saturate the color by 10%, you get **219, 255, 170**, and if you desaturate by 10%, it is **241, 255, 220**.

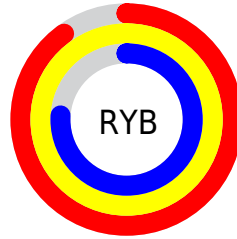
Distribution



Red (100%)

Green (91%)

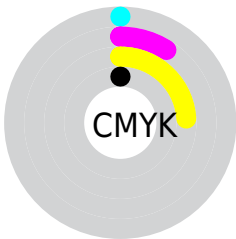
Blue (76%)



Red (90%)

Yellow (100%)

Blue (76%)

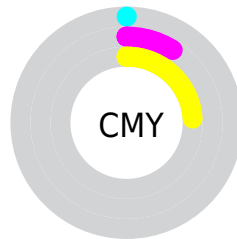


Cyan (0%)

Magenta (9%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 230, 255, 195 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 230, 255, 195 by changing the saturation by 10% instead.


 230, 255, 195

255, 255, 255

252, 255, 252

 230, 255, 195

 201, 226, 168


 174, 198, 141

 145, 170, 116

 119, 143, 91

 93, 117, 67

 68, 92, 44

 41, 67, 23

 18, 45, 0

 20, 20, 0

230, 255, 195

230, 255, 195

219, 255, 170

241, 255, 220

209, 255, 144

251, 255, 246

198, 255, 119

255, 255, 255

188, 255, 93

176, 255, 67

165, 255, 42

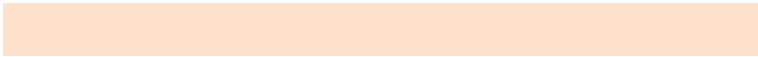
155, 255, 16

149, 255, 0

Harmonies

Analogous

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



255, 244, 203



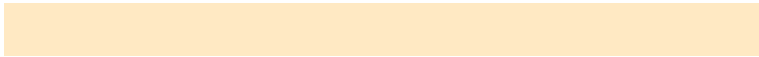
230, 255, 195



198, 239, 204

Triad

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



230, 255, 195



181, 215, 252



255, 225, 255

Complementary

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



230, 255, 195



195, 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.



235, 231, 255



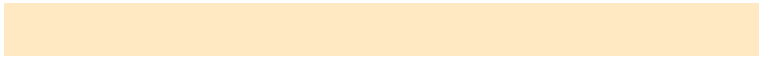
230, 255, 195



188, 219, 255

Square

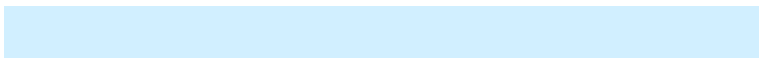
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



230, 255, 195



190, 223, 247



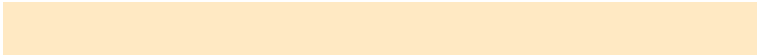
209, 227, 255



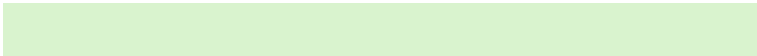
255, 222, 240

Rectangle

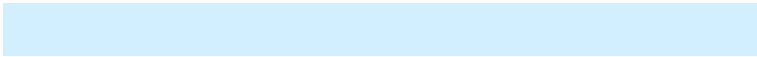
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



230, 255, 195



206, 243, 232



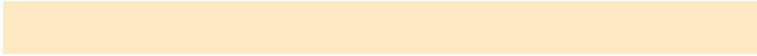
209, 227, 255



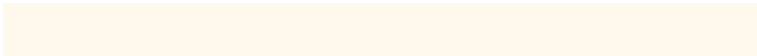
252, 227, 255

Sweetspot

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



230, 255, 195



248, 255, 237



255, 195, 218



123, 128, 117



0, 0, 0



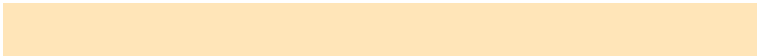
128, 128, 128

Same Dimension

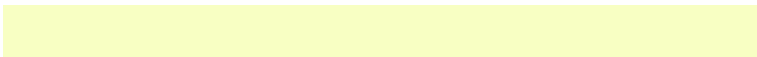
The Same Dimension uses a secret algorithm to generate beautiful new colors.



230, 255, 195



225, 255, 184



195, 255, 202



123, 128, 115



110, 191, 0



38, 64, 0

Inverse Universe

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



195, 211, 255



184, 203, 255



202, 195, 255



115, 118, 128



0, 51, 191



0, 17, 64

Previews

White Background



This preview shows how the RYB color 230, 255, 195 looks on a white background.

Color Contrast Check

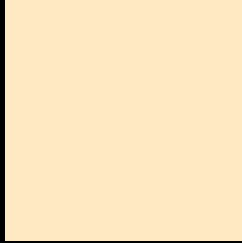
Large Text (above 18pt) WCAG AA × Fail

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 230, 255, 195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

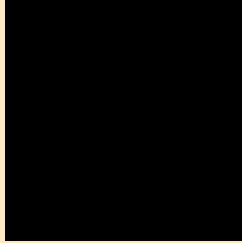
Any Text WCAG AA ✓ Pass

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 230, 255, 195 Background



This preview shows how black text looks on a background with the RYB color 230, 255, 195.




This preview shows how white text looks on a background with the RYB color 230, 255, 195.

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](#).

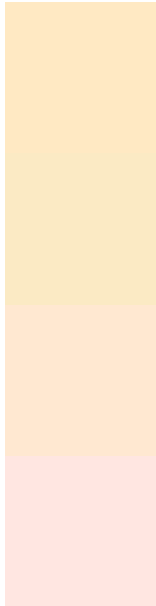
Dichromacy

	Original Color 230, 255, 195
	Protanopia 215, 249, 196
	Deuteranopia 255, 239, 217



Tritanopia
255, 228, 242

Trichromacy



Original Color

230, 255, 195

Protanomaly

221, 251, 196

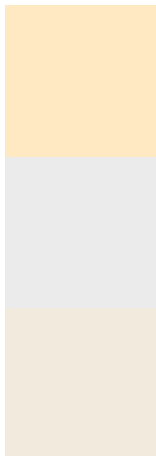
Deuteranomaly

255, 255, 209

Tritanomaly

255, 231, 225

Monochromacy



Original Color

230, 255, 195

Achromatopsia

235, 235, 235

Achromatomaly

233, 242, 220

CSS Examples

Text

The CSS property to change the color of the text to RYB 230, 255, 195 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, 233, 195) looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 195)  
}
```

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, 233, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 195) }
```

Border

The CSS property to change the border of an element to RYB 230, 255, 195 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, 233, 195) }
```

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

```
.border{ border-color:rgb(255, 233, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
195) }
```

Background

The CSS property to change the background color of an element to RYB 230, 255, 195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 195) }
```

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

```
.background{ background-color: rgb(255,  
233, 195) }
```

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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