

Converting Colors

`RYB(231, 246, 199)`

Have a look what the booklet for
RYB(231, 246, 199) contains.

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Color

R_YB(231, 246, 199)

Conversions

Conversions Part 1

Format	Color
Hex	F6E3C7
RGB	246, 227, 199
RGB Percent	96%, 89%, 78%
CMY	0.0353, 0.1100, 0.2196
CMYK	0.00, 0.08, 0.19, 0.04
HSL	36°, 72%, 87%
HSV	36°, 19%, 96%
XYZ	75.7735, 78.6338, 65.2170
YIQ	229.4890, 20.3120, -4.6800

Conversions

Conversions Part 2

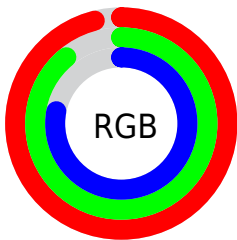
Format	Color
R_{YB}	231, 246, 199
Decimal	16180167
CIE _{Lab}	91.07, 2.12, 16.01
CIE _{LCh}	91, 16.151, 82.459
Yxy	78.6338, 0.3450, 0.3580
Android (android.graphics.Color)	4294370247 (0xFFFF6E3C7)
YUV	229.4890, -15.0311, 14.4801
Hunter-Lab	88.6757, -2.6538, 18.4678

Details

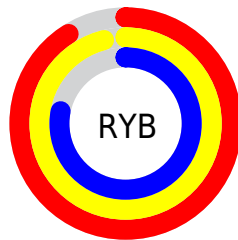
The RYB color **231, 246, 199** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **199, 213, 246**, and the grayscale version is **230, 230, 230**.

A 20% lighter version of the original color is 255, 255, 255, and **173, 189, 145** is the 20% darker color. If you saturate the color by 10%, you get **223, 246, 174**, and if you desaturate by 10%, it is **239, 246, 224**.

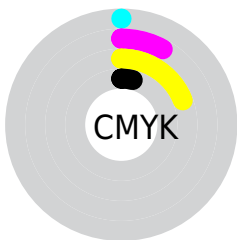
Distribution



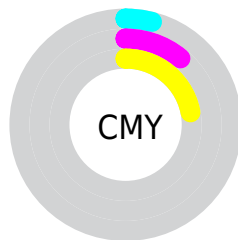
- Red (96%)
- Green (89%)
- Blue (78%)



- Red (91%)
- Yellow (96%)
- Blue (78%)



- Cyan (0%)
- Magenta (8%)
- Yellow (19%)
- Black (4%)



- Cyan (4%)
- Magenta (11%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 231, 246, 199 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 231, 246, 199 by changing the saturation by 10% instead.

231, 246, 199

255, 255, 255

231, 246, 199

202, 217, 172

173, 189, 145

147, 162, 119

121, 136, 95

95, 110, 71

71, 85, 48

46, 61, 27

16, 39, 1

11, 2, 0

231, 246, 199

231, 246, 199

223, 246, 174

239, 246, 224

216, 246, 150

246, 247, 248

207, 246, 125

246, 251, 255

200, 246, 101

192, 246, 76

184, 246, 51

177, 246, 27

169, 246, 2

168, 246, 0

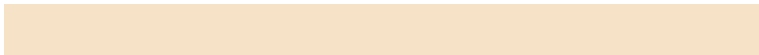
Harmonies

Analogous

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



255, 231, 205



231, 246, 199



201, 232, 204

Triad

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



231, 246, 199



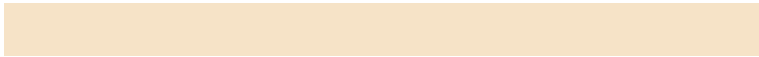
190, 215, 241



246, 222, 248

Complementary

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



231, 246, 199



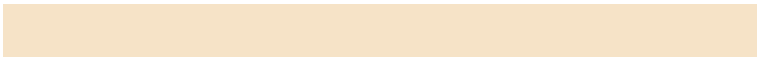
199, 213, 246

Split Complementary

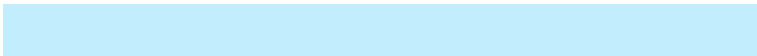
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



228, 227, 255



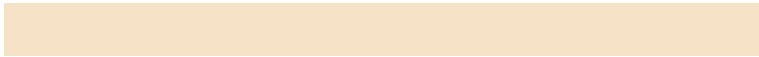
231, 246, 199



194, 219, 253

Square

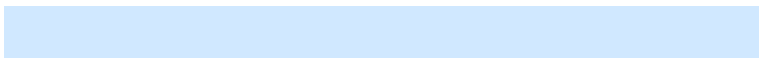
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



231, 246, 199



197, 221, 238



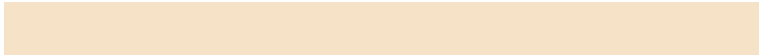
208, 224, 255



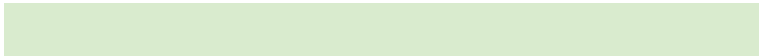
255, 219, 234

Rectangle

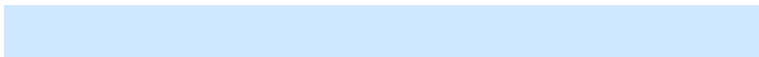
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



231, 246, 199



206, 235, 224



208, 224, 255



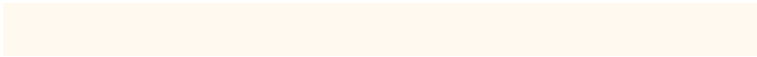
240, 223, 252

Sweetspot

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



231, 246, 199



250, 255, 240



246, 199, 219



126, 128, 119



0, 0, 0



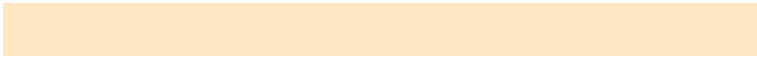
128, 128, 128

Same Dimension

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



231, 246, 199



236, 255, 196



199, 246, 203



119, 122, 110



126, 186, 0



40, 59, 0

Inverse Universe

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



199, 213, 246



196, 213, 255



203, 199, 246



110, 114, 122



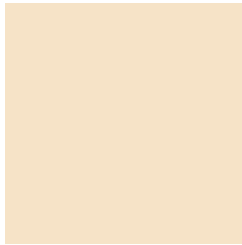
0, 53, 186



0, 17, 59

Previews

White Background



This preview shows how the RYB color 231, 246, 199 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 231, 246, 199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

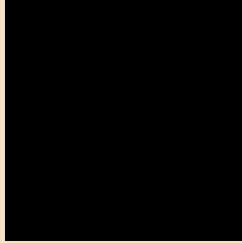
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

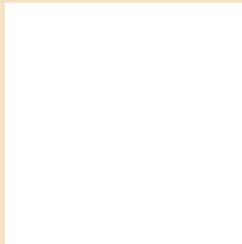
Any Text WCAG AAA ✓ Pass

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

RYB 231, 246, 199 Background



This preview shows how black text looks on a background with the RYB color 231, 246, 199.

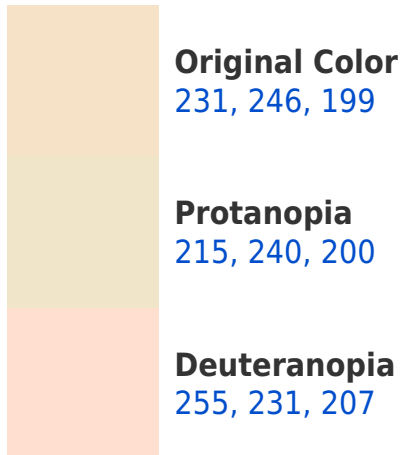


This preview shows how white text looks on a background with the RYB color 231, 246, 199.

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](#).

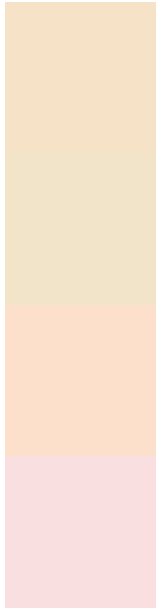
Dichromacy





Tritanopia
251, 221, 239

Trichromacy



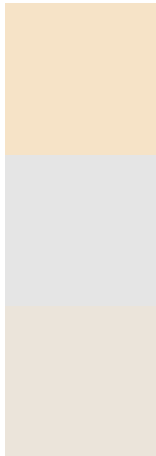
Original Color
231, 246, 199

Protanomaly
221, 242, 200

Deuteranomaly
252, 238, 204

Tritanomaly
249, 223, 224

Monochromacy



Original Color
231, 246, 199

Achromatopsia
229, 229, 229

Achromatomaly
230, 235, 218

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 246, 199 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(246, 227, 199)` looks like.

```
.text, #text, p{  
    color:rgb(246, 227, 199)  
}
```

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(246, 227, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 227, 199) }
```

Border

The CSS property to change the border of an element to RYB 231, 246, 199 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(246, 227, 199) }
```

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

```
.border{ border-color:rgb(246, 227, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 227, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(246, 227, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(246, 227, 199); box-shadow:4px 4px 4px 4px rgb(246, 227, 199) }
```

Background

The CSS property to change the background color of an element to RGB 231, 246, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 227, 199) }
```

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

```
.background{ background-color: rgb(246,  
227, 199) }
```

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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