

Converting Colors

`RYB(231, 249, 202)`

Have a look what the booklet for
RYB(231, 249, 202) contains.

RYB(231, 249, 202)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(231, 249, 202)

Conversions

Conversions Part 1

Format	Color
Hex	F9E7CA
RGB	249, 231, 202
RGB Percent	98%, 91%, 79%
CMY	0.0235, 0.0939, 0.2078
CMYK	0.00, 0.07, 0.19, 0.02
HSL	37°, 80%, 88%
HSV	37°, 19%, 98%
XYZ	78.3219, 81.5927, 67.4981
YIQ	233.0760, 20.0370, -5.2030

Conversions

Conversions Part 2

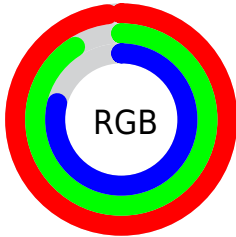
Format	Color
RYB	231, 249, 202
Decimal	16377802
CIELab	92.39, 1.54, 16.36
CIElCh	92, 16.428, 84.613
Yxy	81.5927, 0.3444, 0.3588
Android (android.graphics.Color)	4294567882 (0xFFFF9E7CA)
YUV	233.0760, -15.3205, 13.9653
Hunter-Lab	90.3287, -3.3019, 18.9256

Details

The RYB color **231, 249, 202** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **202, 215, 249**, and the grayscale version is **233, 233, 233**.

A 20% lighter version of the original color is **255, 255, 255**, and **173, 192, 148** is the 20% darker color. If you saturate the color by 10%, you get **220, 249, 177**, and if you desaturate by 10%, it is **240, 249, 227**.

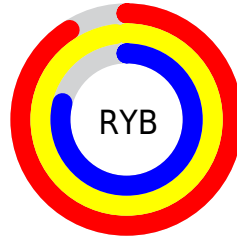
Distribution



Red (98%)

Green (91%)

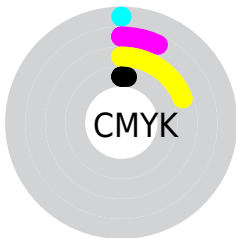
Blue (79%)



Red (91%)

Yellow (98%)

Blue (79%)

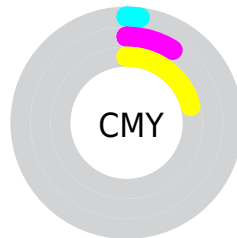


Cyan (0%)

Magenta (7%)

Yellow (19%)

Black (2%)



Cyan (2%)

Magenta (9%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RYB color 231, 249, 202 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, 249, 202 by changing the saturation by 10% instead.

231, 249, 202

255, 255, 255

231, 249, 202

202, 220, 175

173, 192, 148

147, 165, 122

121, 138, 97

95, 112, 73

71, 88, 51

47, 64, 29

19, 41, 5

16, 12, 0

231, 249, 202

231, 249, 202

220, 249, 177

240, 249, 227

212, 249, 152

249, 250, 252

201, 249, 127

249, 252, 255

192, 249, 102

183, 249, 78

174, 249, 53

164, 249, 28

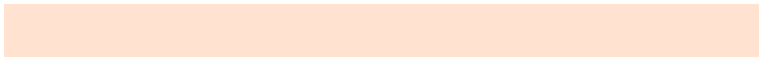
155, 249, 3

154, 249, 0

Harmonies

Analogous

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



255, 237, 208



231, 249, 202



204, 236, 208

Triad

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



231, 249, 202



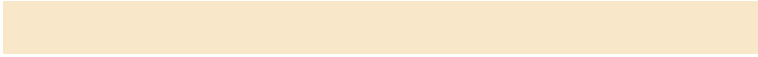
193, 218, 246



251, 225, 252

Complementary

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



231, 249, 202



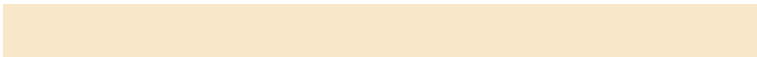
202, 215, 249

Split Complementary

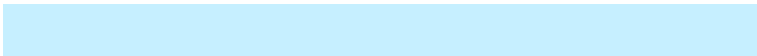
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



233, 230, 255



231, 249, 202



198, 222, 255

Square

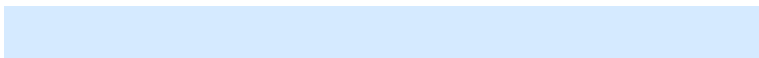
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



231, 249, 202



199, 224, 242



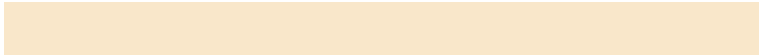
213, 227, 255



255, 223, 237

Rectangle

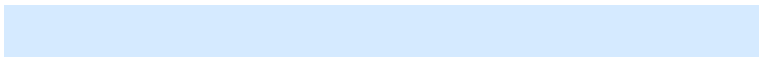
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



231, 249, 202



210, 239, 229



213, 227, 255



246, 227, 255

Sweetspot

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



231, 249, 202



250, 255, 240



249, 202, 220



126, 128, 119



0, 0, 0



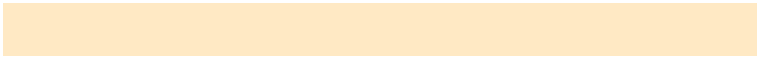
128, 128, 128

Same Dimension

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



231, 249, 202



231, 255, 196



202, 249, 207



120, 125, 112



116, 189, 0



37, 61, 0

Inverse Universe

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



202, 215, 249



196, 213, 255



207, 202, 249



112, 116, 125



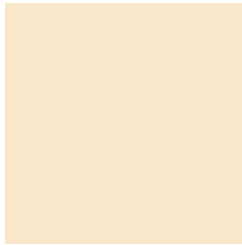
0, 52, 189



0, 17, 61

Previews

White Background



This preview shows how the RYB color 231, 249, 202 looks on a white background.

Color Contrast Check

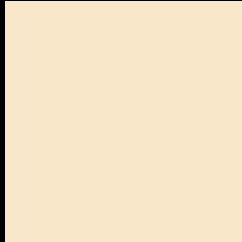
Large Text (above 18pt) WCAG AA × Fail

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, 249, 202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

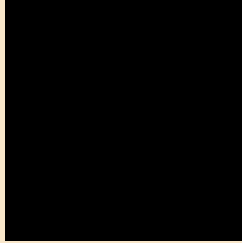
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

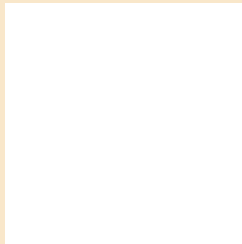
Any Text WCAG AAA ✓ Pass

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

RYB 231, 249, 202 Background



This preview shows how black text looks on a background with the RYB color 231, 249, 202.



This preview shows how white text looks on a background with the RYB color 231, 249, 202.

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

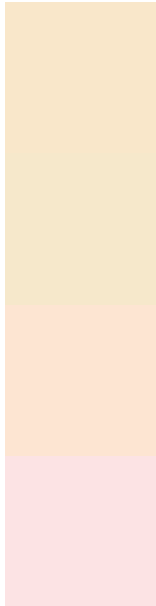




Tritanopia

254, 225, 243

Trichromacy



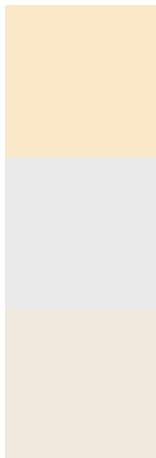
Original Color
231, 249, 202

Protanomaly
224, 246, 203

Deuteranomaly
253, 244, 210

Tritanomaly
252, 227, 228

Monochromacy



Original Color
231, 249, 202

Achromatopsia
233, 233, 233

Achromatomaly
234, 239, 222

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 249, 202 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(249, 231, 202) looks like.

```
.text, #text, p{  
    color:rgb(249, 231, 202)  
}
```

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(249, 231, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 231, 202) }
```

Border

The CSS property to change the border of an element to RYB 231, 249, 202 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(249, 231, 202) }
```

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

```
.border{ border-color:rgb(249, 231, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 231, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 231, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 231, 202);  
box-shadow:4px 4px 4px 4px rgb(249, 231,  
202) }
```

Background

The CSS property to change the background color of an element to RYB 231, 249, 202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 231, 202) }
```

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

```
.background{ background-color: rgb(249,  
231, 202) }
```

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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