

Converting Colors

`RYB(221, 244, 204)`

Have a look what the booklet for
RYB(221, 244, 204) contains.

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Color

R_YB(221, 244, 204)

Conversions

Conversions Part 1

Format	Color
Hex	F4E8CC
RGB	244, 232, 204
RGB Percent	96%, 91%, 80%
CMY	0.0431, 0.0899, 0.2000
CMYK	0.00, 0.05, 0.16, 0.04
HSL	42°, 65%, 88%
HSV	42°, 16%, 96%
XYZ	77.0837, 81.3455, 68.7652
YIQ	232.3960, 16.1400, -6.1640

Conversions

Conversions Part 2

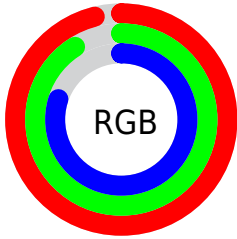
Format	Color
R _Y B	221, 244, 204
Decimal	16050380
CIE Lab	92.29, -0.47, 15.11
CIE LCh	92, 15.113, 91.778
Yxy	81.3455, 0.3393, 0.3580
Android (android.graphics.Color)	4294240460 (0xFFF4E8CC)
YUV	232.3960, -13.9992, 10.1767
Hunter-Lab	90.1917, -5.2779, 17.9295

Details

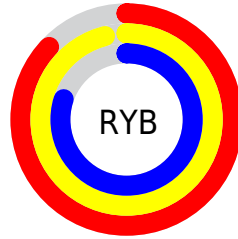
The RYB color **221, 244, 204** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **204, 213, 244**, and the grayscale version is **233, 233, 233**.

A 20% lighter version of the original color is 255, 255, 255, and **168, 188, 150** is the 20% darker color. If you saturate the color by 10%, you get **207, 244, 180**, and if you desaturate by 10%, it is **235, 244, 228**.

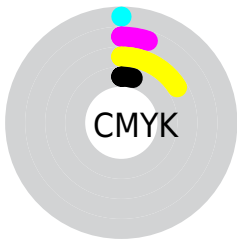
Distribution



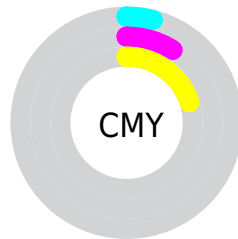
- Red (96%)
- Green (91%)
- Blue (80%)



- Red (87%)
- Yellow (96%)
- Blue (80%)



- Cyan (0%)
- Magenta (5%)
- Yellow (16%)
- Black (4%)



- Cyan (4%)
- Magenta (9%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 221, 244, 204 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 221, 244, 204 by changing the saturation by 10% instead.

■ 221, 244, 204

255, 255, 255

■ 221, 244, 204

■ 192, 215, 177

■ 165, 188, 150

■ 138, 160, 124

■ 113, 134, 99

■ 87, 108, 75

■ 65, 84, 52

■ 40, 60, 31

■ 16, 38, 8

■ 6, 12, 0

221, 244, 204

221, 244, 204

207, 244, 180

235, 244, 228

192, 244, 155

244, 246, 253

180, 244, 131

244, 249, 255

164, 244, 106

244, 250, 255

150, 244, 82

138, 244, 58

123, 244, 33

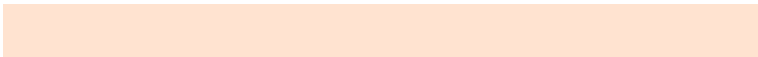
109, 244, 9

104, 244, 0

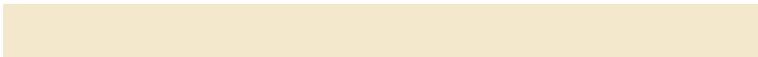
Harmonies

Analogous

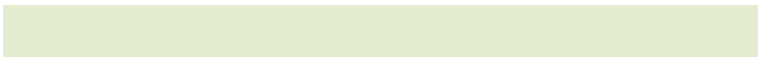
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



255, 240, 208



221, 244, 204



208, 237, 217

Triad

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



221, 244, 204



196, 220, 248



253, 225, 247

Complementary

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



221, 244, 204



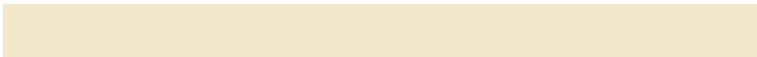
204, 213, 244

Split Complementary

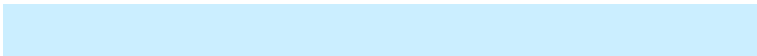
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



237, 229, 255



221, 244, 204



203, 224, 255

Square

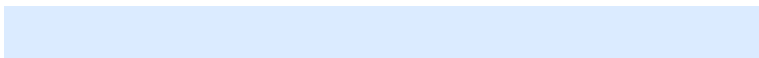
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



221, 244, 204



200, 224, 242



219, 230, 255



255, 223, 232

Rectangle

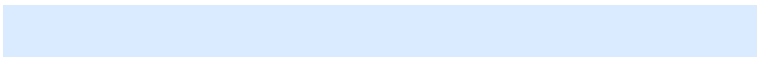
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



221, 244, 204



215, 239, 238



219, 230, 255



248, 226, 251

Sweetspot

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



221, 244, 204



248, 255, 242



244, 204, 216



125, 128, 120



0, 0, 0



128, 128, 128

Same Dimension

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



221, 244, 204



225, 255, 204



204, 244, 212



114, 122, 110



78, 186, 0



26, 59, 0

Inverse Universe

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



204, 213, 244



204, 216, 255



212, 204, 244



110, 113, 122



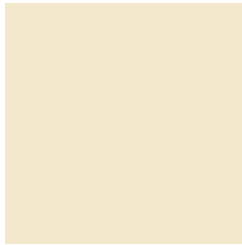
0, 43, 186



0, 13, 59

Previews

White Background



This preview shows how the RYB color 221, 244, 204 looks on a white background.

Color Contrast Check

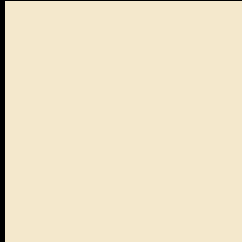
Large Text (above 18pt) WCAG AA × Fail

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 221, 244, 204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

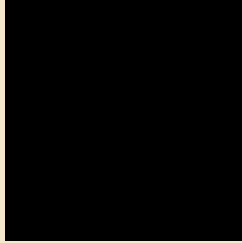
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

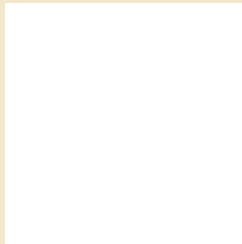
Any Text WCAG AAA ✓ Pass

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

R Y B 221, 244, 204 Background



This preview shows how black text looks on a background with the R Y B color 221, 244, 204.

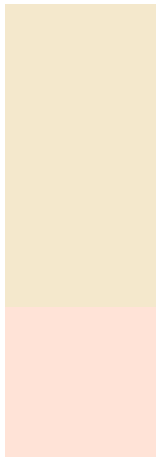


This preview shows how white text looks on a background with the R Y B color 221, 244, 204.

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
221, 244, 204

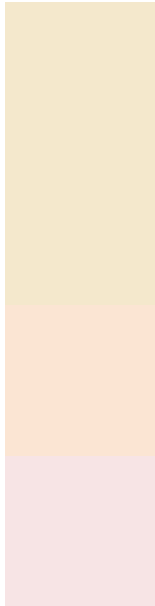
Protanopia
221, 244, 204

Deuteranopia
255, 232, 215



Tritanopia
249, 226, 244

Trichromacy



Original Color

221, 244, 204

Protanomaly

221, 244, 204

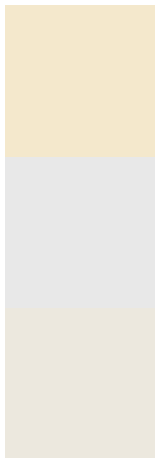
Deuteranomaly

251, 244, 211

Tritanomaly

247, 228, 229

Monochromacy



Original Color

221, 244, 204

Achromatopsia

232, 232, 232

Achromatomaly

228, 236, 222

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 244, 204 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(244, 232, 204)` looks like.

```
.text, #text, p{  
    color:rgb(244, 232, 204)  
}
```

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(244, 232, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 232, 204) }
```

Border

The CSS property to change the border of an element to RYB 221, 244, 204 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(244, 232, 204) }
```

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

```
.border{ border-color:rgb(244, 232, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 232, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 232, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 232, 204);  
box-shadow:4px 4px 4px 4px rgb(244, 232,  
204) }
```

Background

The CSS property to change the background color of an element to RGB 221, 244, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 232, 204) }
```

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

```
.background{ background-color: rgb(244,  
232, 204) }
```

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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