

Converting Colors

`RYB(221, 245, 186)`

Have a look what the booklet for
RYB(221, 245, 186) contains.

RYB(221, 245, 186)	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

$\text{RYB}(221, 245, 186)$

Conversions

Conversions Part 1

Format	Color
Hex	F5DFBA
RGB	245, 223, 186
RGB Percent	96%, 87%, 73%
CMY	0.0392, 0.1254, 0.2706
CMYK	0.00, 0.09, 0.24, 0.04
HSL	38°, 75%, 85%
HSV	38°, 24%, 96%
XYZ	72.9153, 75.7501, 57.2325
YIQ	225.3600, 24.9890, -6.8430

Conversions

Conversions Part 2

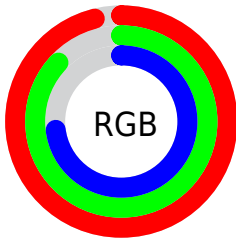
Format	Color
R _Y B	221, 245, 186
Decimal	16113594
CIE Lab	89.74, 1.93, 20.91
CIE LCh	90, 20.997, 84.734
Yxy	75.7501, 0.3541, 0.3679
Android (android.graphics.Color)	4294303674 (0xFFF5DFBA)
YUV	225.3600, -19.4045, 17.2243
Hunter-Lab	87.0345, -2.7676, 21.9360

Details

The RYB color **221, 245, 186** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **186, 202, 245**, and the grayscale version is **226, 226, 226**.

A 20% lighter version of the original color is **242, 255, 242**, and **164, 188, 133** is the 20% darker color. If you saturate the color by 10%, you get **211, 245, 162**, and if you desaturate by 10%, it is **232, 245, 211**.

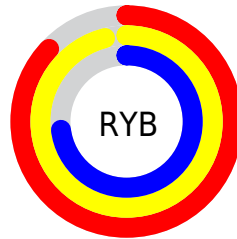
Distribution



Red (96%)

Green (87%)

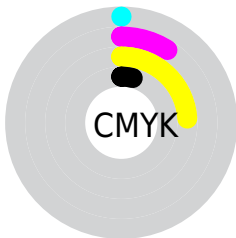
Blue (73%)



Red (87%)

Yellow (96%)

Blue (73%)

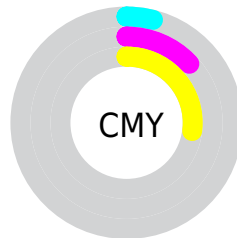


Cyan (0%)

Magenta (9%)

Yellow (24%)

Black (4%)



Cyan (4%)

Magenta (13%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the RYB color 221, 245, 186 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, 245, 186 by changing the saturation by 10% instead.


 221, 245, 186

255, 255, 255


 242, 255, 242

 221, 245, 186

 192, 216, 159

 164, 188, 133

 136, 161, 107

 111, 134, 83

 84, 108, 60

 59, 83, 37

 35, 59, 16

 18, 37, 0

 2, 0, 0

221, 245, 186

221, 245, 186

211, 245, 162

232, 245, 211

201, 245, 137

242, 245, 235

191, 245, 113

245, 248, 255

180, 245, 88

245, 250, 255

172, 245, 63

162, 245, 39

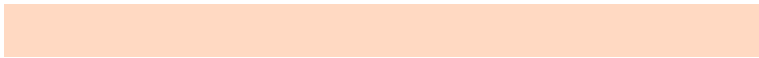
151, 245, 14

145, 245, 0

Harmonies

Analogous

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



255, 231, 194



221, 245, 186



189, 230, 196

Triad

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



221, 245, 186



172, 206, 242



249, 216, 249

Complementary

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



221, 245, 186



186, 202, 245

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.



225, 222, 255



221, 245, 186



179, 211, 255

Square

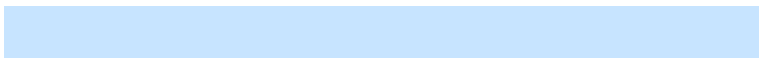
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



221, 245, 186



181, 214, 237



199, 218, 255



255, 212, 230

Rectangle

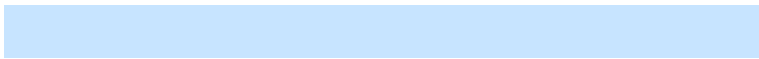
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



221, 245, 186



197, 233, 222



199, 218, 255



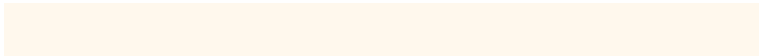
241, 217, 254

Sweetspot

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



221, 245, 186



248, 255, 237



245, 186, 209



123, 128, 117



0, 0, 0



128, 128, 128

Same Dimension

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



221, 245, 186



226, 255, 181



186, 245, 193



116, 122, 110



110, 186, 0



35, 59, 0

Inverse Universe

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



186, 202, 245



181, 201, 255



193, 186, 245



110, 114, 122



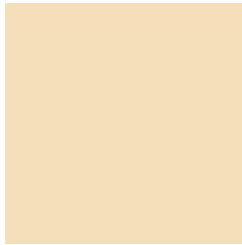
0, 50, 186



0, 16, 59

Previews

White Background



This preview shows how the RYB color 221, 245, 186 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, 245, 186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

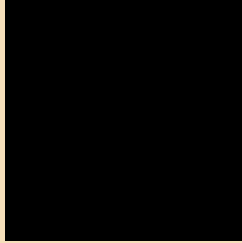
Any Text WCAG AA ✓ Pass

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 221, 245, 186 Background



This preview shows how black text looks on a background with the RYB color 221, 245, 186.



This preview shows how white text looks on a background with the RYB color 221, 245, 186.

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, 245, 186

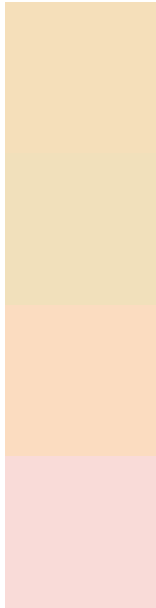
Protanopia
204, 238, 187

Deuteranopia
255, 235, 195



Tritanopia
251, 216, 233

Trichromacy



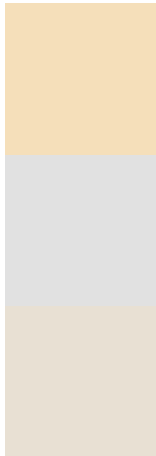
Original Color
221, 245, 186

Protanomaly
212, 241, 187

Deuteranomaly
251, 245, 192

Tritanomaly
249, 219, 216

Monochromacy



Original Color
221, 245, 186

Achromatopsia
225, 225, 225

Achromatomaly
224, 232, 211

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 245, 186 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(245, 223, 186) looks like.

```
.text, #text, p{  
    color:rgb(245, 223, 186)  
}
```

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(245, 223, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 223, 186) }
```

Border

The CSS property to change the border of an element to RYB 221, 245, 186 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(245, 223, 186) }
```

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

```
.border{ border-color:rgb(245, 223, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 223, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 223, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 223, 186);  
box-shadow:4px 4px 4px 4px rgb(245, 223,  
186) }
```

Background

The CSS property to change the background color of an element to RYB 221, 245, 186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 223, 186) }
```

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

```
.background{ background-color: rgb(245,  
223, 186) }
```

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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