

Converting Colors

`RYB(218, 236, 181)`

Have a look what the booklet for
RYB(218, 236, 181) contains.

RYB(218, 236, 181)	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(218, 236, 181)

Conversions

Conversions Part 1

Format	Color
Hex	ECD6B5
RGB	236, 214, 181
RGB Percent	93%, 84%, 71%
CMY	0.0745, 0.1613, 0.2902
CMYK	0.00, 0.09, 0.23, 0.07
HSL	36°, 59%, 82%
HSV	36°, 23%, 93%
XYZ	66.9489, 69.2017, 53.5447
YIQ	216.8160, 23.7050, -5.5990

Conversions

Conversions Part 2

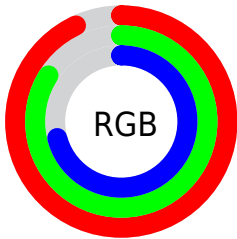
Format	Color
R _Y B	218, 236, 181
Decimal	15521461
CIE Lab	86.60, 2.62, 19.04
CIE LCh	87, 19.219, 82.172
Yxy	69.2017, 0.3529, 0.3648
Android (android.graphics.Color)	4293711541 (0xFFECD6B5)
YUV	216.8160, -17.6573, 16.8244
Hunter-Lab	83.1876, -1.9224, 20.0685

Details

The RYB color **218, 236, 181** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **181, 197, 236**, and the grayscale version is **217, 217, 217**.

A 20% lighter version of the original color is **237, 255, 237**, and **163, 180, 128** is the 20% darker color. If you saturate the color by 10%, you get **211, 236, 157**, and if you desaturate by 10%, it is **227, 236, 205**.

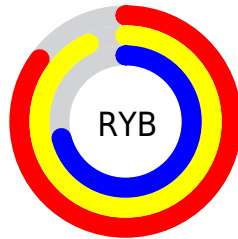
Distribution



Red (93%)

Green (84%)

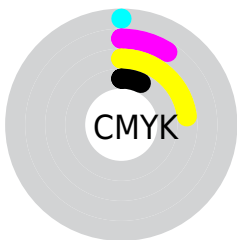
Blue (71%)



Red (85%)

Yellow (93%)

Blue (71%)

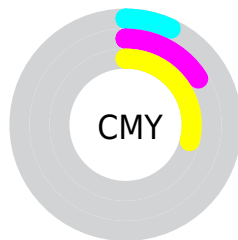


Cyan (0%)

Magenta (9%)

Yellow (23%)

Black (7%)



Cyan (7%)

Magenta (16%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 218, 236, 181 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 218, 236, 181 by changing the saturation by 10% instead.

 218, 236, 181

255, 255, 255

 237, 255, 237

 218, 236, 181

 189, 207, 154


 163, 180, 128

 136, 153, 103

 108, 126, 79

 83, 101, 56

 57, 76, 34

 31, 52, 12

 20, 31, 0

 0, 0, 0

■ 218, 236, 181

■ 218, 236, 181

■ 211, 236, 157

■ 227, 236, 205

■ 203, 236, 134

■ 233, 236, 228

■ 196, 236, 110

■ 236, 240, 252

■ 187, 236, 87

■ 236, 245, 255

■ 181, 236, 63

■ 236, 246, 255

■ 171, 236, 39

■ 165, 236, 16

■ 159, 236, 0

Harmonies

Analogous

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



250, 217, 189



218, 236, 181



183, 220, 186

Triad

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



218, 236, 181



169, 199, 230



236, 208, 239

Complementary

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



218, 236, 181



181, 197, 236

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.



214, 214, 250



218, 236, 181



174, 204, 245

Square

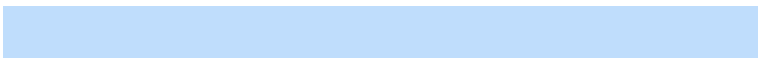
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



218, 236, 181



178, 207, 227



191, 211, 252



251, 205, 222

Rectangle

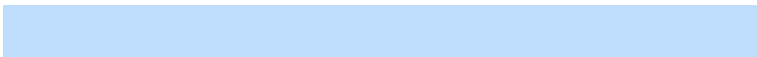
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



218, 236, 181



189, 223, 209



191, 211, 252



229, 210, 244

Sweetspot

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



218, 236, 181



248, 255, 237



236, 181, 204



126, 128, 117



0, 0, 0



128, 128, 128

Same Dimension

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



218, 236, 181



233, 255, 184



181, 236, 186



112, 117, 106



122, 181, 0



37, 54, 0

Inverse Universe

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



181, 197, 236



184, 204, 255



186, 181, 236



106, 109, 117



0, 52, 181



0, 16, 54

Previews

White Background



This preview shows how the RYB color 218, 236, 181 looks on a white background.

Color Contrast Check

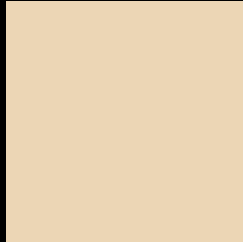
Large Text (above 18pt) WCAG AA × Fail

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 218, 236, 181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

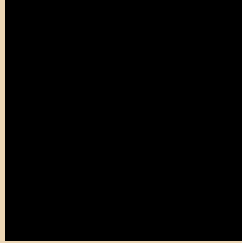
Any Text WCAG AA ✓ Pass

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 218, 236, 181 Background



This preview shows how black text looks on a background with the RYB color 218, 236, 181.



This preview shows how white text looks on a background with the RYB color 218, 236, 181.

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

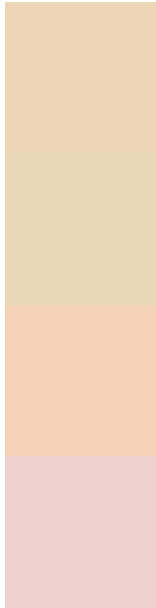




Tritanopia

241, 208, 224

Trichromacy



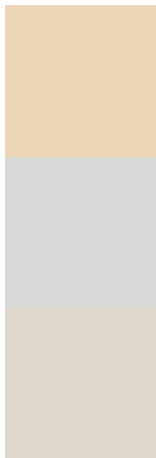
Original Color
218, 236, 181

Protanomaly
208, 232, 182

Deuteranomaly
245, 236, 182

Tritanomaly
239, 210, 208

Monochromacy



Original Color
218, 236, 181

Achromatopsia
217, 217, 217

Achromatomaly
217, 224, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 218, 236, 181 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(236, 214, 181) looks like.

```
.text, #text, p{  
    color:rgb(236, 214, 181)  
}
```

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(236, 214, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 214, 181) }
```

Border

The CSS property to change the border of an element to RYB 218, 236, 181 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(236, 214, 181) }
```

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

```
.border{ border-color:rgb(236, 214, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 214, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 214, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 214, 181);  
box-shadow:4px 4px 4px 4px rgb(236, 214,  
181) }
```

Background

The CSS property to change the background color of an element to RGB 236, 214, 181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 214, 181) }
```

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

```
.background{ background-color: rgb(236,  
214, 181) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor