

Converting Colors

`RYB(213, 235, 181)`

Have a look what the booklet for
RYB(213, 235, 181) contains.

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Color

R_YB(213, 235, 181)

Conversions

Conversions Part 1

Format	Color
Hex	EBD7B5
RGB	235, 215, 181
RGB Percent	92%, 84%, 71%
CMY	0.0784, 0.1572, 0.2902
CMYK	0.00, 0.09, 0.23, 0.08
HSL	38°, 57%, 82%
HSV	38°, 23%, 92%
XYZ	66.8782, 69.5519, 53.6161
YIQ	217.1040, 22.8340, -6.3340

Conversions

Conversions Part 2

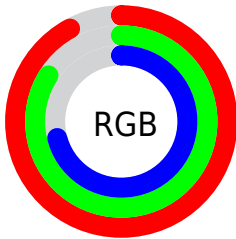
Format	Color
R_{YB}	213, 235, 181
Decimal	15456181
CIE Lab	86.78, 1.72, 19.27
CIE LCh	87, 19.344, 84.910
Yxy	69.5519, 0.3519, 0.3660
Android (android.graphics.Color)	4293646261 (0xFFEBD7B5)
YUV	217.1040, -17.7993, 15.6948
Hunter-Lab	83.3978, -2.8037, 20.2612

Details

The RYB color **213, 235, 181** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **181, 196, 235**, and the grayscale version is **217, 217, 217**.

A 20% lighter version of the original color is **237, 255, 237**, and **158, 179, 128** is the 20% darker color. If you saturate the color by 10%, you get **205, 235, 158**, and if you desaturate by 10%, it is **222, 235, 205**.

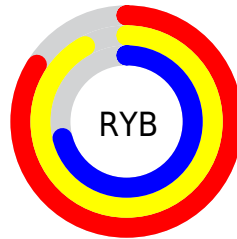
Distribution



Red (92%)

Green (84%)

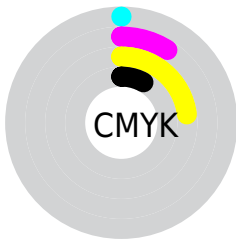
Blue (71%)



Red (84%)

Yellow (92%)

Blue (71%)

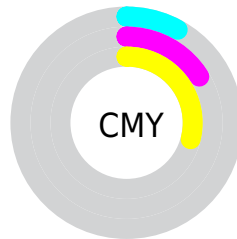


Cyan (0%)

Magenta (9%)

Yellow (23%)

Black (8%)



Cyan (8%)

Magenta (16%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 213, 235, 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 213, 235, 181 by changing the saturation by 10% instead.

 213, 235, 181


255, 255, 255

 237, 255, 237

 213, 235, 181


 186, 207, 154

 158, 179, 128


 131, 152, 103

 104, 125, 79

 79, 100, 56

 53, 75, 34

 29, 52, 12

 15, 30, 0

 0, 0, 0

■ 213, 235, 181

■ 213, 235, 181

■ 205, 235, 158

■ 222, 235, 205

■ 195, 235, 134

■ 233, 235, 228

■ 184, 235, 111

■ 235, 239, 252

■ 175, 235, 87

■ 235, 244, 255

■ 166, 235, 64

■ 235, 245, 255

■ 157, 235, 40

■ 146, 235, 17

■ 138, 235, 0

Harmonies

Analogous

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



250, 220, 188



213, 235, 181



184, 221, 190

Triad

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



213, 235, 181



169, 199, 232



238, 208, 239

Complementary

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



213, 235, 181



181, 196, 235

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.



217, 214, 250



213, 235, 181



175, 205, 247

Square

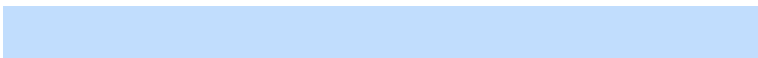
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



213, 235, 181



177, 207, 228



193, 212, 253



252, 205, 221

Rectangle

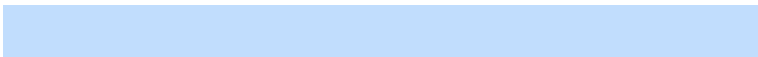
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



213, 235, 181



191, 224, 214



193, 212, 253



232, 210, 243

Sweetspot

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



213, 235, 181



248, 255, 237



235, 181, 202



123, 128, 117



0, 0, 0



128, 128, 128

Same Dimension

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



213, 235, 181



228, 255, 184



181, 235, 187



112, 117, 106



106, 181, 0



32, 54, 0

Inverse Universe

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



181, 196, 235



184, 203, 255



187, 181, 235



106, 109, 117



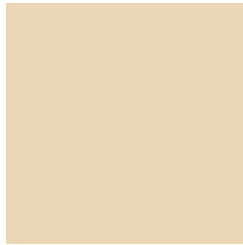
0, 49, 181



0, 15, 54

Previews

White Background



This preview shows how the RYB color 213, 235, 181 looks on a white background.

Color Contrast Check

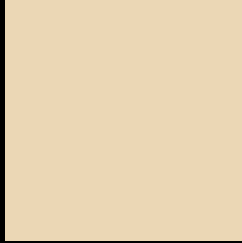
Large Text (above 18pt) WCAG AA × Fail

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 213, 235, 181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

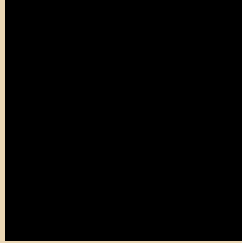
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

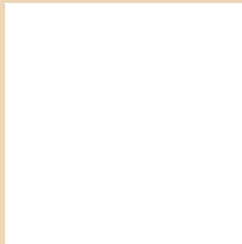
Any Text WCAG AAA ✓ Pass

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

RYB 213, 235, 181 Background



This preview shows how black text looks on a background with the RYB color 213, 235, 181.

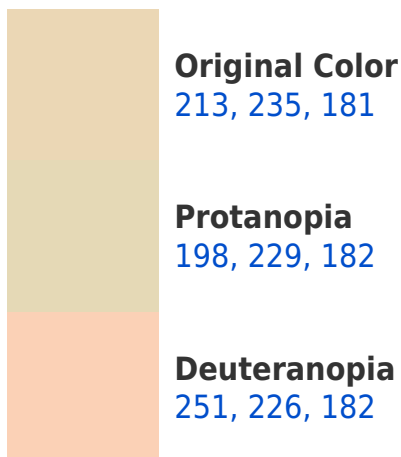


This preview shows how white text looks on a background with the RYB color 213, 235, 181.

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

240, 209, 225

Trichromacy



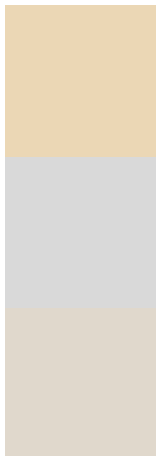
Original Color
213, 235, 181

Protanomaly
204, 231, 182

Deuteranomaly
245, 236, 182

Tritanomaly
238, 211, 209

Monochromacy



Original Color
213, 235, 181

Achromatopsia
217, 217, 217

Achromatomaly
217, 224, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 213, 235, 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(235, 215, 181) looks like.

```
.text, #text, p{  
    color:rgb(235, 215, 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(235, 215, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 215, 181) }
```

Border

The CSS property to change the border of an element to RYB 213, 235, 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(235, 215, 181) }
```

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

```
.border{ border-color:rgb(235, 215, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 215, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 215, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 215, 181);  
box-shadow:4px 4px 4px 4px rgb(235, 215,  
181) }
```

Background

The CSS property to change the background color of an element to RYB 213, 235, 181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 215, 181) }
```

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

```
.background{ background-color: rgb(235,  
215, 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](#).

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