

Converting Colors

`RYB(204, 236, 181)`

Have a look what the booklet for
RYB(204, 236, 181) contains.

RYB(204, 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(204, 236, 181)

Conversions

Conversions Part 1

Format	Color
Hex	ECDCB5
RGB	236, 220, 181
RGB Percent	93%, 86%, 71%
CMY	0.0745, 0.1381, 0.2902
CMYK	0.00, 0.07, 0.23, 0.07
HSL	42°, 59%, 82%
HSV	42°, 23%, 93%
XYZ	68.4686, 72.2411, 54.0513
YIQ	220.3380, 22.0550, -8.7370

Conversions

Conversions Part 2

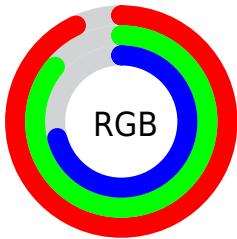
Format	Color
RYB	204, 236, 181
Decimal	15522997
CIELab	88.08, -0.42, 21.10
CIELCh	88, 21.100, 91.151
Yxy	72.2411, 0.3516, 0.3709
Android (android.graphics.Color)	4293713077 (0xFFE5DCB5)
YUV	220.3380, -19.3936, 13.7356
Hunter-Lab	84.9948, -4.9480, 21.7917

Details

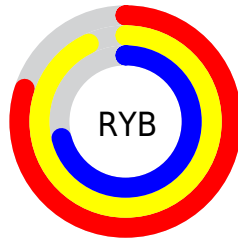
The RYB color **204, 236, 181** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **181, 193, 236**, and the grayscale version is **220, 220, 220**.

A 20% lighter version of the original color is **237, 255, 237**, and **149, 180, 128** is the 20% darker color. If you saturate the color by 10%, you get **189, 236, 157**, and if you desaturate by 10%, it is **218, 236, 205**.

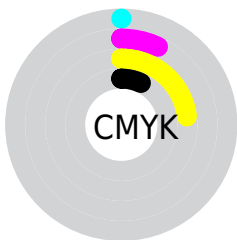
Distribution



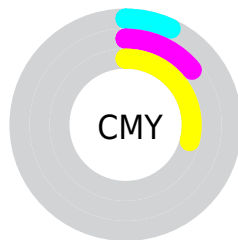
- Red (93%)
- Green (86%)
- Blue (71%)



- Red (80%)
- Yellow (93%)
- Blue (71%)



- Cyan (0%)
- Magenta (7%)
- Yellow (23%)
- Black (7%)



- Cyan (7%)
- Magenta (14%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 204, 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 204, 236, 181 by changing the saturation by 10% instead.

 204, 236, 181


255, 255, 255

 237, 255, 237


 204, 236, 181

 177, 208, 154

 149, 180, 128


 122, 153, 103

 97, 126, 79

 71, 101, 55

 46, 76, 33

 22, 52, 12

 11, 31, 0

 0, 0, 0

■ 204, 236, 181

■ 204, 236, 181

■ 189, 236, 157

■ 218, 236, 205

■ 177, 236, 134

■ 231, 236, 228

■ 162, 236, 110

■ 236, 240, 252

■ 149, 236, 87

■ 236, 243, 255

■ 135, 236, 63

■ 236, 246, 255

■ 121, 236, 39

■ 108, 236, 16

■ 100, 236, 0

Harmonies

Analogous

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



253, 231, 186



204, 236, 181



186, 226, 198

Triad

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



204, 236, 181



167, 202, 241



248, 210, 241

Complementary

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



204, 236, 181



181, 193, 236

Split Complementary

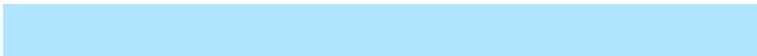
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



226, 216, 255



204, 236, 181



177, 208, 255

Square

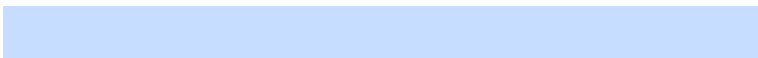
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



204, 236, 181



173, 206, 233



199, 215, 255



255, 207, 221

Rectangle

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



204, 236, 181



195, 229, 226



199, 215, 255



241, 211, 246

Sweetspot

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



204, 236, 181



244, 255, 237



236, 181, 198



123, 128, 117



0, 0, 0



128, 128, 128

Same Dimension

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



204, 236, 181



214, 255, 184



181, 236, 192



110, 117, 106



75, 181, 0



23, 54, 0

Inverse Universe

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



181, 193, 236



184, 200, 255



192, 181, 236



106, 108, 117



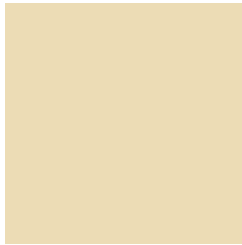
0, 41, 181



0, 12, 54

Previews

White Background



This preview shows how the RYB color 204, 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 204, 236, 181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

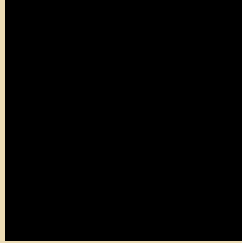
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

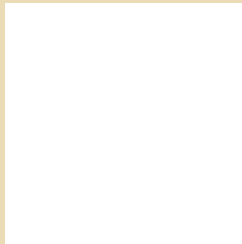
Any Text WCAG AAA ✓ Pass

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

RYB 204, 236, 181 Background



This preview shows how black text looks on a background with the RYB color 204, 236, 181.

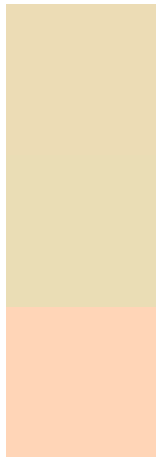


This preview shows how white text looks on a background with the RYB color 204, 236, 181.

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



Original Color
204, 236, 181

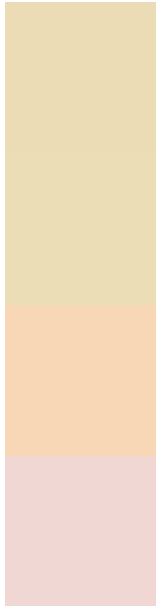
Protanopia
198, 234, 181

Deuteranopia
255, 234, 183



Tritanopia
242, 213, 230

Trichromacy



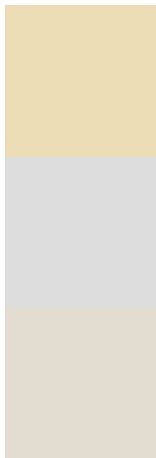
Original Color
204, 236, 181

Protanomaly
200, 235, 181

Deuteranomaly
248, 248, 182

Tritanomaly
240, 215, 212

Monochromacy



Original Color
204, 236, 181

Achromatopsia
220, 220, 220

Achromatomaly
215, 226, 206

CSS Examples

Text

The CSS property to change the color of the text to RYB 204, 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, 220, 181) looks like.

```
.text, #text, p{  
    color:rgb(236, 220, 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, 220, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 220, 181) }
```

Border

The CSS property to change the border of an element to RYB 204, 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, 220, 181) }
```

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

```
.border{ border-color:rgb(236, 220, 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, 220, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 220, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 220, 181);  
box-shadow:4px 4px 4px 4px rgb(236, 220,  
181) }
```

Background

The CSS property to change the background color of an element to RGB 204, 236, 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, 220, 181) }
```

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

```
.background{ background-color: rgb(236,  
220, 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