

Converting Colors

`RYB(188, 231, 180)`

Have a look what the booklet for
RYB(188, 231, 180) contains.

RYB(188, 231, 180)	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(188, 231, 180)

Conversions

Conversions Part 1

Format	Color
Hex	E7E0B4
RGB	231, 224, 180
RGB Percent	91%, 88%, 71%
CMY	0.0941, 0.1212, 0.2941
CMYK	0.00, 0.03, 0.22, 0.09
HSL	52°, 52%, 81%
HSV	52°, 22%, 91%
XYZ	67.8717, 73.6411, 53.8169
YIQ	221.0770, 18.2960, -12.2000

Conversions

Conversions Part 2

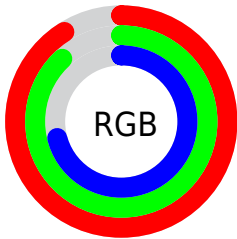
Format	Color
RYB	188, 231, 180
Decimal	15196340
CIELab	88.75, -4.61, 22.48
CIElCh	89, 22.945, 101.590
Yxy	73.6411, 0.3475, 0.3770
Android (android.graphics.Color)	4293386420 (0xFFE7E0B4)
YUV	221.0770, -20.2510, 8.7025
Hunter-Lab	85.8144, -8.9973, 22.8874

Details

The RYB color **188, 231, 180** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **180, 186, 231**, and the grayscale version is **221, 221, 221**.

A 20% lighter version of the original color is **236, 255, 236**, and **134, 175, 127** is the 20% darker color. If you saturate the color by 10%, you get **169, 231, 157**, and if you desaturate by 10%, it is **208, 231, 203**.

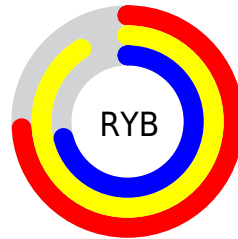
Distribution



Red (91%)

Green (88%)

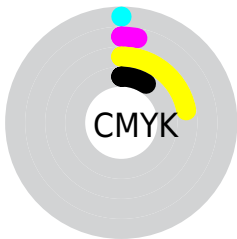
Blue (71%)



Red (74%)

Yellow (91%)

Blue (71%)

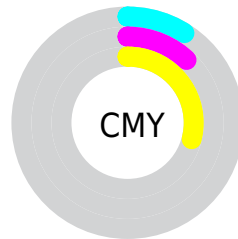


Cyan (0%)

Magenta (3%)

Yellow (22%)

Black (9%)



Cyan (9%)

Magenta (12%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 188, 231, 180 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 188, 231, 180 by changing the saturation by 10% instead.


 188, 231, 180

255, 255, 255


 236, 255, 236

 188, 231, 180

 161, 203, 153

 134, 175, 127


 108, 148, 102

 84, 122, 78

 60, 97, 54

 35, 72, 32

 12, 49, 10

 1, 27, 0

 0, 0, 0

 188, 231, 180

 188, 231, 180

 169, 231, 157


 208, 231, 203

 149, 231, 134

 227, 231, 226

 129, 231, 111

 231, 233, 249

 110, 231, 88

 231, 236, 255

 92, 231, 65

 231, 238, 255

 71, 231, 41

 231, 239, 255

 52, 231, 18

 231, 240, 255

 36, 231, 0

 231, 241, 255

 231, 242, 255

Harmonies

Analogous

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



252, 252, 182



188, 231, 180



190, 230, 214

Triad

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



188, 231, 180



165, 203, 251



255, 209, 237

Complementary

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



188, 231, 180



180, 186, 231

Split Complementary

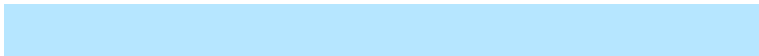
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



237, 214, 255



188, 231, 180



182, 211, 255

Square

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



188, 231, 180



166, 202, 236



209, 219, 255



255, 208, 215

Rectangle

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



188, 231, 180



190, 224, 233



209, 219, 255



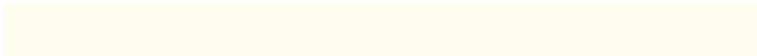
252, 210, 244

Sweetspot

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



188, 231, 180



239, 255, 237



231, 180, 188



119, 128, 117



0, 0, 0



128, 128, 128

Same Dimension

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



188, 231, 180



199, 255, 189



180, 231, 198



105, 115, 103



29, 179, 0



8, 51, 0

Inverse Universe

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



180, 186, 231



189, 197, 255



198, 180, 231



103, 105, 115



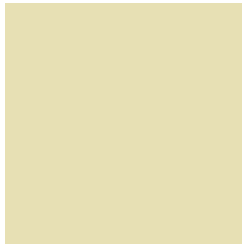
0, 21, 179



0, 6, 51

Previews

White Background



This preview shows how the RYB color 188, 231, 180 looks on a white background.

Color Contrast Check

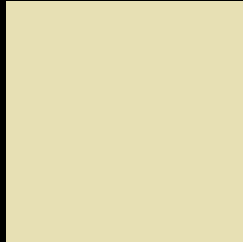
Large Text (above 18pt) WCAG AA × Fail

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 188, 231, 180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

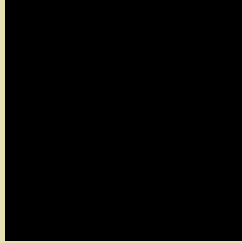
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

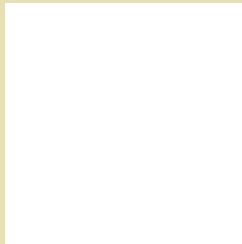
Any Text WCAG AAA ✓ Pass

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

RYB 188, 231, 180 Background



This preview shows how black text looks on a background with the RYB color 188, 231, 180.



This preview shows how white text looks on a background with the RYB color 188, 231, 180.

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
188, 231, 180

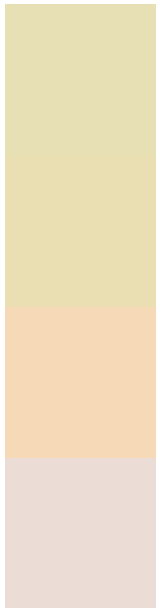
Protanopia
198, 236, 179

Deuteranopia
255, 235, 187



Tritanopia
238, 217, 234

Trichromacy



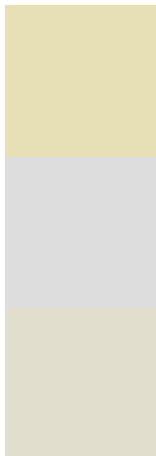
Original Color
188, 231, 180

Protanomaly
193, 234, 179

Deuteranomaly
235, 246, 184

Tritanomaly
235, 222, 214

Monochromacy



Original Color
188, 231, 180

Achromatopsia
221, 221, 221

Achromatomaly
210, 225, 206

CSS Examples

Text

The CSS property to change the color of the text to RYB 188, 231, 180 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(231, 224, 180)` looks like.

```
.text, #text, p{  
    color:rgb(231, 224, 180)  
}
```

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(231, 224, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 224, 180) }
```

Border

The CSS property to change the border of an element to RYB 188, 231, 180 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(231, 224, 180) }
```

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

```
.border{ border-color:rgb(231, 224, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 224, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 224, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 224, 180);  
box-shadow:4px 4px 4px 4px rgb(231, 224,  
180) }
```

Background

The CSS property to change the background color of an element to RGB 231, 224, 180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 224, 180) }
```

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

```
.background{ background-color: rgb(231,  
224, 180) }
```

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