

Converting Colors

`RYB(210, 231, 157)`

Have a look what the booklet for
RYB(210, 231, 157) contains.

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Color

R_YB(210, 231, 157)

Conversions

Conversions Part 1

Format	Color
Hex	E7C89D
RGB	231, 200, 157
RGB Percent	91%, 78%, 62%
CMY	0.0941, 0.2152, 0.3843
CMYK	0.00, 0.13, 0.32, 0.09
HSL	35°, 61%, 76%
HSV	35°, 32%, 91%
XYZ	59.7224, 60.7865, 40.4836
YIQ	204.3670, 32.2790, -6.8010

Conversions

Conversions Part 2

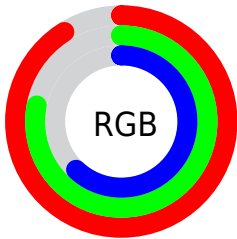
Format	Color
RYB	210, 231, 157
Decimal	15190173
CIELab	82.26, 4.70, 25.61
CIELCh	82, 26.034, 79.589
Yxy	60.7865, 0.3710, 0.3776
Android (android.graphics.Color)	4293380253 (0xFFE7C89D)
YUV	204.3670, -23.3519, 23.3571
Hunter-Lab	77.9657, 0.2926, 23.7898

Details

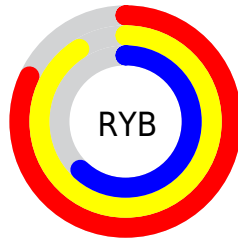
The RYB color **210, 231, 157** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **157, 179, 231**, and the grayscale version is **205, 205, 205**.

A 20% lighter version of the original color is **212, 255, 212**, and **152, 174, 105** is the 20% darker color. If you saturate the color by 10%, you get **205, 231, 134**, and if you desaturate by 10%, it is **216, 231, 180**.

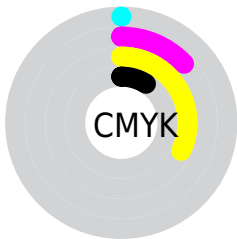
Distribution



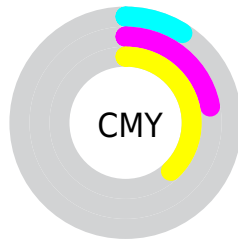
- Red (91%)
- Green (78%)
- Blue (62%)



- Red (82%)
- Yellow (91%)
- Blue (62%)



- Cyan (0%)
- Magenta (13%)
- Yellow (32%)
- Black (9%)



- Cyan (9%)
- Magenta (22%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 210, 231, 157 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 210, 231, 157 by changing the saturation by 10% instead.

 210, 231, 157


255, 255, 255


 212, 255, 212

 240, 255, 240

 210, 231, 157

 180, 202, 131

 152, 174, 105

 124, 147, 81

 96, 120, 57

 72, 95, 35

 44, 70, 13

 27, 46, 0

 21, 5, 0

 0, 0, 0

■ 210, 231, 157

■ 210, 231, 157

■ 205, 231, 134

■ 216, 231, 180

■ 197, 231, 111

■ 224, 231, 203

■ 191, 231, 88

■ 229, 231, 226

■ 183, 231, 65

■ 231, 237, 249

■ 176, 231, 41

■ 231, 241, 255

■ 171, 231, 18

■ 231, 243, 255

■ 164, 231, 0

Harmonies

Analogous

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



249, 202, 168



210, 231, 157



158, 208, 160

Triad

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



210, 231, 157



136, 177, 220



228, 193, 237

Complementary

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



210, 231, 157



157, 179, 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.



197, 201, 250



210, 231, 157



140, 183, 241

Square

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



210, 231, 157



152, 192, 218



164, 194, 252



248, 188, 214

Rectangle

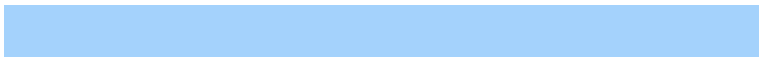
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



210, 231, 157



166, 213, 191



164, 194, 252



219, 196, 242

Sweetspot

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



210, 231, 157



250, 255, 230



231, 157, 189



124, 128, 112



0, 0, 0



128, 128, 128

Same Dimension

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



210, 231, 157



226, 255, 158



157, 231, 162



112, 115, 103



129, 179, 0



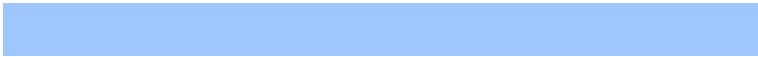
36, 51, 0

Inverse Universe

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



157, 179, 231



158, 187, 255



162, 157, 231



103, 107, 115



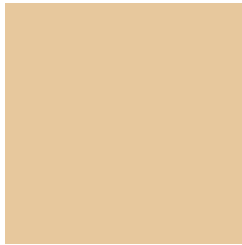
0, 52, 179



0, 15, 51

Previews

White Background



This preview shows how the RYB color 210, 231, 157 looks on a white background.

Color Contrast Check

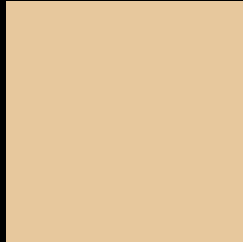
Large Text (above 18pt) WCAG AA × Fail

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 210, 231, 157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

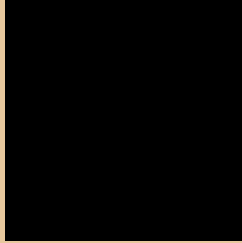
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

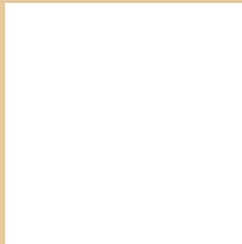
Any Text WCAG AAA ✓ Pass

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

RYB 210, 231, 157 Background



This preview shows how black text looks on a background with the RYB color 210, 231, 157.



This preview shows how white text looks on a background with the RYB color 210, 231, 157.

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
210, 231, 157

Protanopia
177, 218, 159

Deuteranopia
240, 229, 158



Tritanopia
237, 193, 208

Trichromacy



Original Color
210, 231, 157

Protanomaly
187, 223, 158

Deuteranomaly
237, 235, 158

Tritanomaly
235, 197, 189

Monochromacy



Original Color
210, 231, 157

Achromatopsia
204, 204, 204

Achromatomaly
206, 214, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 210, 231, 157 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, 200, 157)` looks like.

```
.text, #text, p{  
    color:rgb(231, 200, 157)  
}
```

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, 200, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 200, 157) }
```

Border

The CSS property to change the border of an element to RYB 210, 231, 157 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, 200, 157) }
```

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

```
.border{ border-color:rgb(231, 200, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 200, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 200, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 200, 157);  
box-shadow:4px 4px 4px 4px rgb(231, 200,  
157) }
```

Background

The CSS property to change the background color of an element to RGB 231, 200, 157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 200, 157) }
```

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

```
.background{ background-color: rgb(231,  
200, 157) }
```

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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