

Converting Colors

`RYB(220, 231, 135)`

Have a look what the booklet for
RYB(220, 231, 135) contains.

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Color

R_YB(220, 231, 135)

Conversions

Conversions Part 1

Format	Color
Hex	E7BA87
RGB	231, 186, 135
RGB Percent	91%, 73%, 53%
CMY	0.0941, 0.2709, 0.4706
CMYK	0.00, 0.20, 0.42, 0.09
HSL	32°, 67%, 72%
HSV	32°, 42%, 91%
XYZ	54.8696, 53.8211, 30.4182
YIQ	193.6410, 43.1910, -6.3210

Conversions

Conversions Part 2

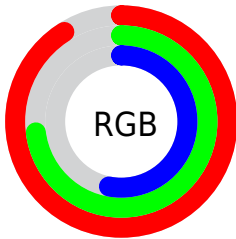
Format	Color
RYB	220, 231, 135
Decimal	15186567
CIELab	78.36, 9.61, 31.94
CIELCh	78, 33.357, 73.248
Yxy	53.8211, 0.3944, 0.3869
Android (android.graphics.Color)	4293376647 (0xFFE7BA87)
YUV	193.6410, -28.9100, 32.7638
Hunter-Lab	73.3629, 5.1189, 26.7708

Details

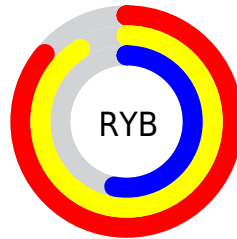
The RYB color **220, 231, 135** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **135, 166, 231**, and the grayscale version is **194, 194, 194**.

A 20% lighter version of the original color is **205, 255, 189**, and **161, 174, 85** is the 20% darker color. If you saturate the color by 10%, you get **218, 231, 112**, and if you desaturate by 10%, it is **222, 231, 158**.

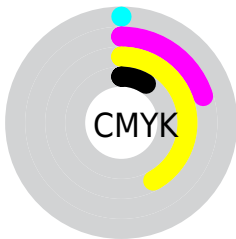
Distribution



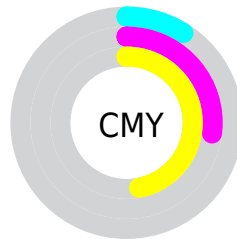
- Red (91%)
- Green (73%)
- Blue (53%)



- Red (86%)
- Yellow (91%)
- Blue (53%)



- Cyan (0%)
- Magenta (20%)
- Yellow (42%)
- Black (9%)



- Cyan (9%)
- Magenta (27%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the RYB color 220, 231, 135 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 220, 231, 135 by changing the saturation by 10% instead.

 220, 231, 135

255, 255, 255


 205, 255, 189


 217, 255, 217


 245, 255, 245

 220, 231, 135

 189, 202, 109

 161, 174, 85

 130, 146, 61

 103, 119, 38

 70, 92, 15

 48, 67, 0

 42, 32, 0

 7, 0, 0

 0, 0, 0

 220, 231, 135

 220, 231, 135

 218, 231, 112


 222, 231, 158

 216, 231, 89


 224, 231, 181

 214, 231, 66

 229, 231, 204


 208, 231, 43


 231, 231, 227

 205, 231, 19

 231, 237, 251

 203, 231, 0

 231, 242, 255

 231, 243, 255

Harmonies

Analogous

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



250, 183, 153



220, 231, 135



140, 202, 133

Triad

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



220, 231, 135



101, 157, 211



215, 181, 239

Complementary

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



220, 231, 135



135, 166, 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.



174, 189, 254



220, 231, 135



96, 158, 235

Square

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



220, 231, 135



131, 182, 210



128, 174, 252



244, 173, 212

Rectangle

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



220, 231, 135



141, 202, 164



128, 174, 252



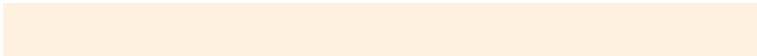
203, 185, 246

Sweetspot

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



220, 231, 135



250, 255, 224



231, 135, 181



128, 128, 110



0, 0, 0



128, 128, 128

Same Dimension

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



220, 231, 135



242, 255, 128



135, 231, 137



115, 115, 103



158, 179, 0



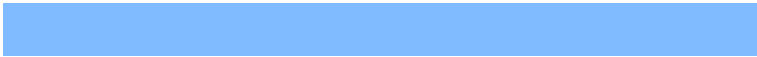
45, 51, 0

Inverse Universe

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



135, 166, 231



128, 168, 255



137, 135, 231



103, 107, 115



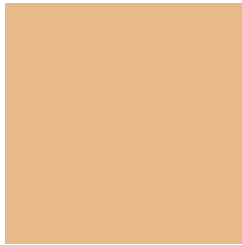
0, 57, 179



0, 16, 51

Previews

White Background



This preview shows how the RYB color 220, 231, 135 looks on a white background.

Color Contrast Check

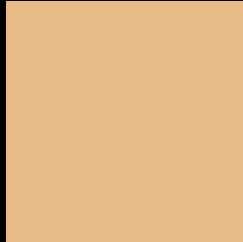
Large Text (above 18pt) WCAG AA × Fail

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 220, 231, 135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

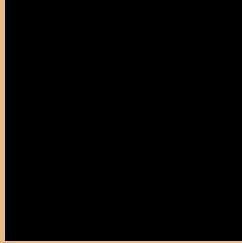
Any Text WCAG AA ✓ Pass

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 220, 231, 135 Background



This preview shows how black text looks on a background with the RYB color 220, 231, 135.



This preview shows how white text looks on a background with the RYB color 220, 231, 135.

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
220, 231, 135

Protanopia
157, 209, 138

Deuteranopia
220, 231, 135



Tritanopia
237, 178, 192

Trichromacy



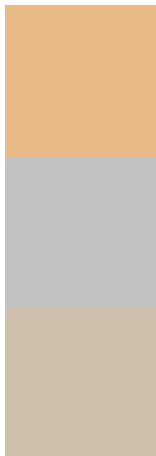
Original Color
220, 231, 135

Protanomaly
176, 217, 137

Deuteranomaly
220, 231, 135

Tritanomaly
235, 183, 171

Monochromacy



Original Color
220, 231, 135

Achromatopsia
194, 194, 194

Achromatomaly
203, 207, 173

CSS Examples

Text

The CSS property to change the color of the text to RYB 220, 231, 135 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, 186, 135)` looks like.

```
.text, #text, p{  
    color:rgb(231, 186, 135)  
}
```

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, 186, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 186, 135) }
```

Border

The CSS property to change the border of an element to RYB 220, 231, 135 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, 186, 135) }
```

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

```
.border{ border-color:rgb(231, 186, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 186, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 186, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 186, 135);  
box-shadow:4px 4px 4px 4px rgb(231, 186,  
135) }
```

Background

The CSS property to change the background color of an element to RGB 231, 186, 135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 186, 135) }
```

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

```
.background{ background-color: rgb(231,  
186, 135) }
```

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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