

Converting Colors

`RYB(157, 231, 139)`

Have a look what the booklet for
RYB(157, 231, 139) contains.

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Color

R_YB(157, 231, 139)

Conversions

Conversions Part 1

Format	Color
Hex	E7D88B
RGB	231, 216, 139
RGB Percent	91%, 85%, 55%
CMY	0.0941, 0.1532, 0.4549
CMYK	0.00, 0.07, 0.40, 0.09
HSL	50°, 66%, 73%
HSV	50°, 40%, 91%
XYZ	62.1571, 67.9368, 34.2632
YIQ	211.7070, 33.6570, -20.7670

Conversions

Conversions Part 2

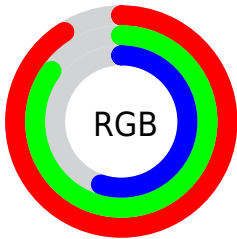
Format	Color
RYB	157, 231, 139
Decimal	15194251
CIELab	85.97, -5.55, 39.78
CIELCh	86, 40.168, 97.940
Yxy	67.9368, 0.3782, 0.4133
Android (android.graphics.Color)	4293384331 (0xFFE7D88B)
YUV	211.7070, -35.8446, 16.9200
Hunter-Lab	82.4238, -9.6319, 33.0501

Details

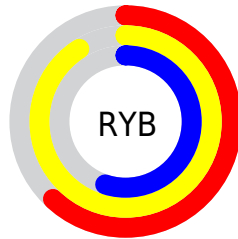
The RYB color **157, 231, 139** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **139, 152, 231**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is **193, 255, 193**, and **103, 174, 88** is the 20% darker color. If you saturate the color by 10%, you get **139, 231, 116**, and if you desaturate by 10%, it is **175, 231, 162**.

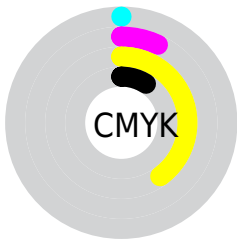
Distribution



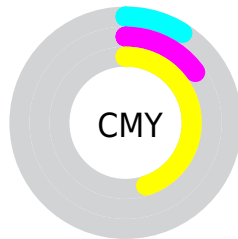
- Red (91%)
- Green (85%)
- Blue (55%)



- Red (62%)
- Yellow (91%)
- Blue (55%)



- Cyan (0%)
- Magenta (7%)
- Yellow (40%)
- Black (9%)



- Cyan (9%)
- Magenta (15%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the RYB color 157, 231, 139 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 157, 231, 139 by changing the saturation by 10% instead.

 157, 231, 139

255, 255, 255


 193, 255, 193


 222, 255, 222


 250, 255, 250


 157, 231, 139

 130, 202, 113

 103, 174, 88

 76, 146, 63

 50, 120, 39

 21, 93, 13

 5, 68, 0

 3, 44, 0

 0, 21, 4


 0, 0, 0

 157, 231, 139


 157, 231, 139

 139, 231, 116

 175, 231, 162


 121, 231, 93

 193, 231, 185

 101, 231, 70


 213, 231, 208


 83, 231, 47

 231, 231, 231

 64, 231, 23

 231, 234, 254

 45, 231, 0

 231, 237, 255

 231, 239, 255

 231, 240, 255

 231, 242, 255

Harmonies

Analogous

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



244, 255, 145



157, 231, 139



154, 227, 192

Triad

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



157, 231, 139



80, 162, 255



255, 190, 244

Complementary

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



157, 231, 139



139, 152, 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.



233, 202, 255



157, 231, 139



119, 179, 255

Square

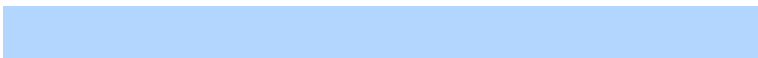
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



157, 231, 139



99, 171, 236



179, 203, 255



255, 186, 206

Rectangle

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



157, 231, 139



159, 220, 232



179, 203, 255



255, 193, 255

Sweetspot

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



157, 231, 139



230, 255, 224



231, 139, 154



114, 128, 110



0, 0, 0



128, 128, 128

Same Dimension

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



157, 231, 139



157, 255, 133



139, 231, 170



105, 115, 103



36, 179, 0



9, 51, 0

Inverse Universe

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



139, 152, 231



133, 150, 255



170, 139, 231



103, 105, 115



0, 25, 179



0, 7, 51

Previews

White Background



This preview shows how the RYB color 157, 231, 139 looks on a white background.

Color Contrast Check

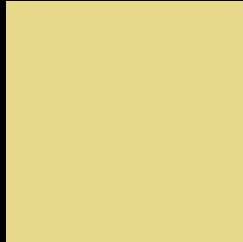
Large Text (above 18pt) WCAG AA × Fail

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 157, 231, 139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

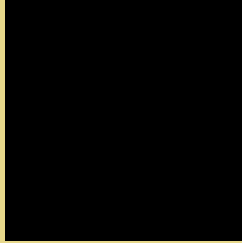
Any Text WCAG AA ✓ Pass

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 157, 231, 139 Background



This preview shows how black text looks on a background with the RYB color 157, 231, 139.



This preview shows how white text looks on a background with the RYB color 157, 231, 139.

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
157, 231, 139

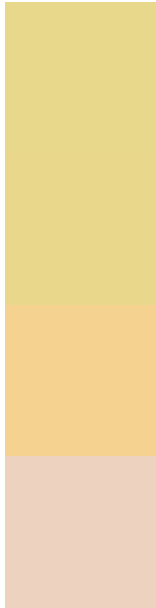
Protanopia
163, 234, 139

Deuteranopia
240, 255, 149



Tritanopia
240, 206, 222

Trichromacy



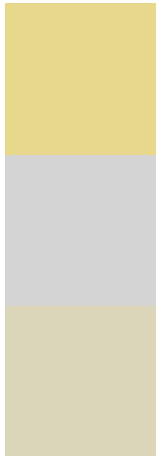
Original Color
157, 231, 139

Protanomaly
161, 233, 139

Deuteranomaly
201, 246, 145

Tritanomaly
237, 222, 192

Monochromacy



Original Color
157, 231, 139

Achromatopsia
212, 212, 212

Achromatomaly
192, 219, 185

CSS Examples

Text

The CSS property to change the color of the text to RYB 157, 231, 139 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, 216, 139)` looks like.

```
.text, #text, p{  
    color:rgb(231, 216, 139)  
}
```

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, 216, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 216, 139) }
```

Border

The CSS property to change the border of an element to RYB 157, 231, 139 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, 216, 139) }
```

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

```
.border{ border-color:rgb(231, 216, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 216, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 216, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 216, 139); box-shadow:4px 4px 4px 4px rgb(231, 216, 139) }
```

Background

The CSS property to change the background color of an element to RYB 157, 231, 139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 216, 139) }
```

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

```
.background{ background-color: rgb(231,  
216, 139) }
```

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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