

Converting Colors

`RYB(159, 231, 155)`

Have a look what the booklet for
RYB(159, 231, 155) contains.

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Color

R_YB(159, 231, 155)

Conversions

Conversions Part 1

Format	Color
Hex	E7E39B
RGB	231, 227, 155
RGB Percent	91%, 89%, 61%
CMY	0.0941, 0.1090, 0.3922
CMYK	0.00, 0.02, 0.33, 0.09
HSL	57°, 61%, 76%
HSV	57°, 33%, 91%
XYZ	66.3952, 74.4031, 41.8722
YIQ	219.9880, 25.4960, -21.5440

Conversions

Conversions Part 2

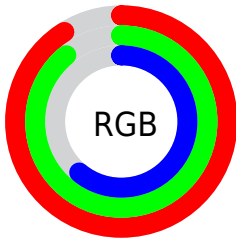
Format	Color
RYB	159, 231, 155
Decimal	15197083
CIELab	89.11, -9.43, 35.79
CIELCh	89, 37.009, 104.756
Yxy	74.4031, 0.3635, 0.4073
Android (android.graphics.Color)	4293387163 (0xFFE7E39B)
YUV	219.9880, -32.0391, 9.6575
Hunter-Lab	86.2572, -13.5525, 31.5987

Details

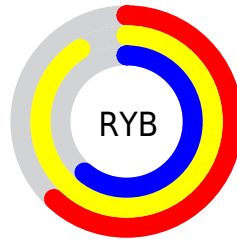
The RYB color **159, 231, 155** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **155, 159, 231**, and the grayscale version is **220, 220, 220**.

A 20% lighter version of the original color is **210, 255, 210**, and **105, 174, 103** is the 20% darker color. If you saturate the color by 10%, you get **137, 231, 132**, and if you desaturate by 10%, it is **181, 231, 178**.

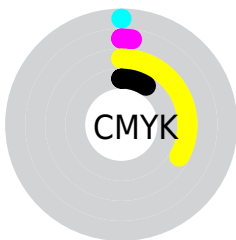
Distribution



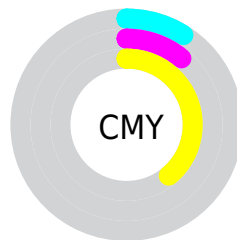
- Red (91%)
- Green (89%)
- Blue (61%)



- Red (62%)
- Yellow (91%)
- Blue (61%)



- Cyan (0%)
- Magenta (2%)
- Yellow (33%)
- Black (9%)



- Cyan (9%)
- Magenta (11%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 231, 155 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 159, 231, 155 by changing the saturation by 10% instead.

 159, 231, 155

 159, 231, 155


255, 255, 255


 132, 202, 129

 210, 255, 210

 105, 174, 103

 239, 255, 239

 80, 147, 78

 54, 120, 54

 30, 95, 30

 4, 72, 6

 0, 49, 3

 0, 29, 7

 0, 0, 0

■ 159, 231, 155

■ 159, 231, 155

■ 137, 231, 132

■ 181, 231, 178

■ 115, 231, 109

■ 202, 231, 201

■ 93, 231, 86

■ 224, 231, 224

■ 71, 231, 63

■ 231, 232, 247

■ 50, 231, 39

■ 231, 233, 255

■ 28, 231, 16

■ 231, 234, 255

■ 13, 231, 0

■ 231, 234, 255

■ 231, 235, 255

■ 231, 236, 255

Harmonies

Analogous

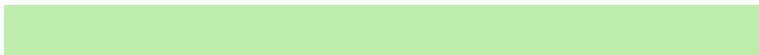
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



223, 255, 156



159, 231, 155



173, 237, 219

Triad

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



159, 231, 155



114, 181, 255



255, 200, 243

Complementary

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



159, 231, 155



155, 159, 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.



250, 209, 255



159, 231, 155



151, 197, 255

Square

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



159, 231, 155



117, 181, 243



203, 216, 255



255, 198, 207

Rectangle

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



159, 231, 155



164, 220, 241



203, 216, 255



255, 202, 255

Sweetspot

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



159, 231, 155



231, 255, 230



231, 155, 159



113, 128, 112



0, 0, 0



128, 128, 128

Same Dimension

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



159, 231, 155



161, 255, 156



155, 231, 189



104, 115, 103



9, 179, 0



3, 51, 0

Inverse Universe

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



155, 159, 231



156, 161, 255



189, 155, 231



103, 104, 115



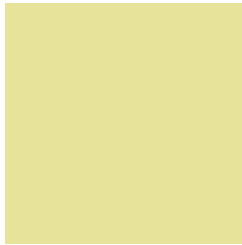
0, 9, 179



0, 3, 51

Previews

White Background



This preview shows how the RYB color 159, 231, 155 looks on a white background.

Color Contrast Check

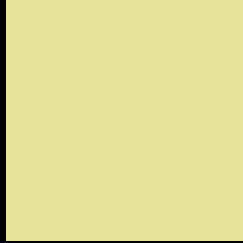
Large Text (above 18pt) WCAG AA × Fail

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 159, 231, 155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

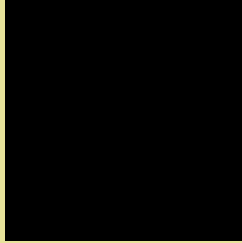
Any Text WCAG AA ✓ Pass

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 159, 231, 155 Background



This preview shows how black text looks on a background with the RYB color 159, 231, 155.

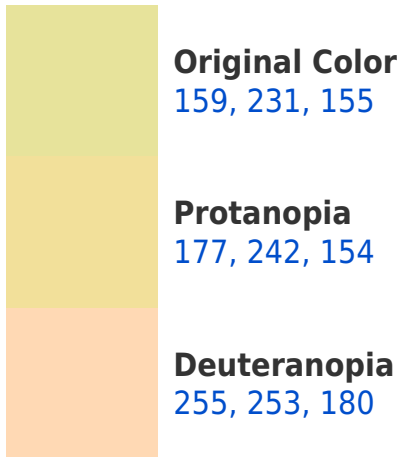


This preview shows how white text looks on a background with the RYB color 159, 231, 155.

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](#).

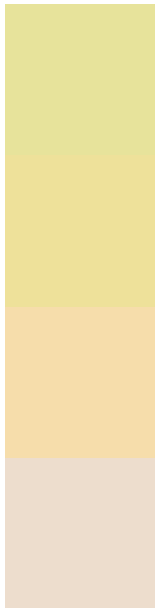
Dichromacy





Tritanopia
240, 217, 234

Trichromacy



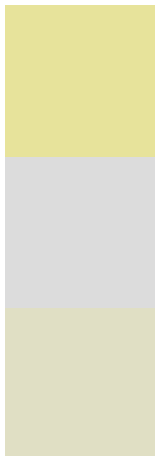
Original Color
159, 231, 155

Protanomaly
169, 238, 154

Deuteranomaly
209, 246, 171

Tritanomaly
237, 237, 205

Monochromacy



Original Color
159, 231, 155

Achromatopsia
220, 220, 220

Achromatomaly
197, 224, 196

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 231, 155 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, 227, 155)` looks like.

```
.text, #text, p{  
    color:rgb(231, 227, 155)  
}
```

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, 227, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 227, 155) }
```

Border

The CSS property to change the border of an element to RYB 159, 231, 155 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, 227, 155) }
```

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

```
.border{ border-color:rgb(231, 227, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 227, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 227, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 227, 155);  
box-shadow:4px 4px 4px 4px rgb(231, 227,  
155) }
```

Background

The CSS property to change the background color of an element to RYB 159, 231, 155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 227, 155) }
```

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

```
.background{ background-color: rgb(231,  
227, 155) }
```

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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