

Converting Colors

`RYB(159, 230, 162)`

Have a look what the booklet for
RYB(159, 230, 162) contains.

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Color

R_YB(159, 230, 162)

Conversions

Conversions Part 1

Format	Color
Hex	E3E69F
RGB	227, 230, 159
RGB Percent	89%, 90%, 62%
CMY	0.1098, 0.0980, 0.3765
CMYK	0.01, 0.00, 0.31, 0.10
HSL	63°, 59%, 76%
HSV	63°, 31%, 90%
XYZ	66.2334, 75.4277, 43.8690
YIQ	221.0090, 21.0030, -22.7170

Conversions

Conversions Part 2

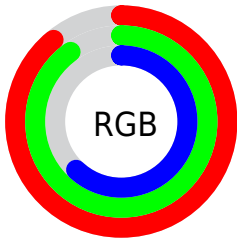
Format	Color
RYB	159, 230, 162
Decimal	14935711
CIELab	89.59, -11.86, 34.34
CIELCh	90, 36.330, 109.049
Yxy	75.4277, 0.3570, 0.4066
Android (android.graphics.Color)	4293125791 (0xFFE3E69F)
YUV	221.0090, -30.5704, 5.2541
Hunter-Lab	86.8491, -15.8573, 30.8460

Details

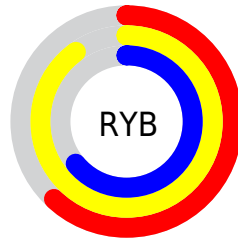
The RYB color **159, 230, 162** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **162, 159, 230**, and the grayscale version is **221, 221, 221**.

A 20% lighter version of the original color is **214, 255, 214**, and **107, 175, 111** is the 20% darker color. If you saturate the color by 10%, you get **136, 230, 140**, and if you desaturate by 10%, it is **182, 230, 184**.

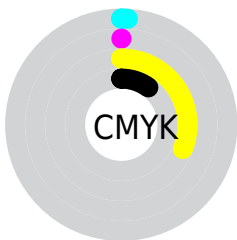
Distribution



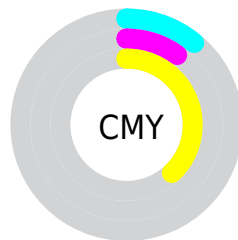
- Red (89%)
- Green (90%)
- Blue (62%)



- Red (62%)
- Yellow (90%)
- Blue (64%)



- Cyan (1%)
- Magenta (0%)
- Yellow (31%)
- Black (10%)



- Cyan (11%)
- Magenta (10%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 230, 162 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, 230, 162 by changing the saturation by 10% instead.

 159, 230, 162

255, 255, 255


 214, 255, 214

 243, 255, 243

 159, 230, 162

 132, 202, 135

 107, 175, 111


 82, 148, 86

 58, 122, 63

 34, 97, 39

 9, 74, 16

 0, 51, 7

 0, 30, 10

 0, 0, 0

 159, 230, 162

 159, 230, 162

 136, 230, 140

 182, 230, 184

 113, 230, 118

 205, 230, 206

 90, 230, 96


 228, 230, 228

 67, 230, 74

 231, 230, 251

 44, 230, 52

 232, 230, 255

 21, 230, 30

 233, 230, 255

 0, 230, 10

 234, 230, 255

 235, 230, 255

 236, 230, 255

Harmonies

Analogous

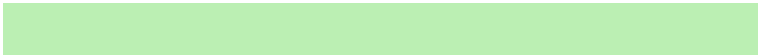
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



214, 255, 157



159, 230, 162



179, 239, 231

Triad

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



159, 230, 162



122, 185, 255



255, 201, 239

Complementary

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



159, 230, 162



162, 159, 230

Split Complementary

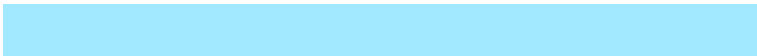
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 209, 255



159, 230, 162



162, 202, 255

Square

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



159, 230, 162



118, 182, 247



213, 220, 255



255, 200, 204

Rectangle

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



159, 230, 162



161, 216, 242



213, 220, 255



255, 203, 251

Sweetspot

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



159, 230, 162



232, 255, 233



230, 161, 159



113, 128, 114



0, 0, 0



128, 128, 128

Same Dimension

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



159, 230, 162



161, 255, 165



159, 230, 197



103, 115, 104



0, 179, 8



0, 51, 2

Inverse Universe

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



162, 159, 230



165, 161, 255



197, 159, 230



104, 103, 115



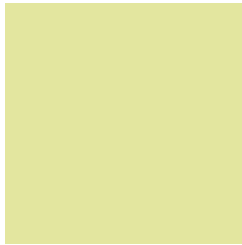
8, 0, 179



2, 0, 51

Previews

White Background



This preview shows how the RYB color 159, 230, 162 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, 230, 162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

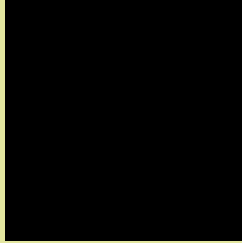
Any Text WCAG AA ✓ Pass

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, 230, 162 Background



This preview shows how black text looks on a background with the RYB color 159, 230, 162.

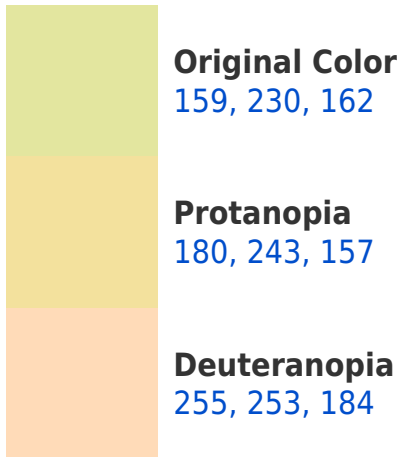


This preview shows how white text looks on a background with the RYB color 159, 230, 162.

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](#).

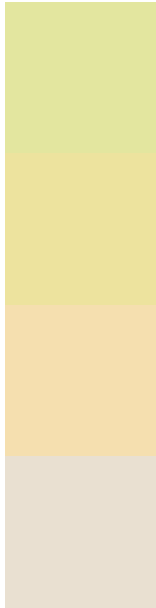
Dichromacy





Tritanopia
237, 220, 237

Trichromacy



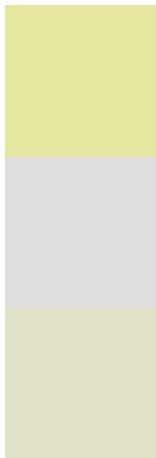
Original Color
159, 230, 162

Protanomaly
169, 237, 158

Deuteranomaly
207, 245, 175

Tritanomaly
223, 233, 209

Monochromacy



Original Color
159, 230, 162

Achromatopsia
221, 221, 221

Achromatomaly
198, 224, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 230, 162 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(227, 230, 159)` looks like.

```
.text, #text, p{  
    color:rgb(227, 230, 159)  
}
```

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(227, 230, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 230, 159) }
```

Border

The CSS property to change the border of an element to RYB 159, 230, 162 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(227, 230, 159) }
```

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

```
.border{ border-color:rgb(227, 230, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 230, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 230, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 230, 159);  
box-shadow:4px 4px 4px 4px rgb(227, 230,  
159) }
```

Background

The CSS property to change the background color of an element to RYB 159, 230, 162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 230, 159) }
```

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

```
.background{ background-color: rgb(227,  
230, 159) }
```

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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