

Converting Colors

`RYB(162, 227, 159)`

Have a look what the booklet for
RYB(162, 227, 159) contains.

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Color

R_YB(162, 227, 159)

Conversions

Conversions Part 1

Format	Color
Hex	E3E09F
RGB	227, 224, 159
RGB Percent	89%, 88%, 62%
CMY	0.1098, 0.1211, 0.3765
CMYK	0.00, 0.01, 0.30, 0.11
HSL	57°, 55%, 76%
HSV	57°, 30%, 89%
XYZ	64.6263, 72.2136, 43.3333
YIQ	217.4870, 22.6530, -19.5790

Conversions

Conversions Part 2

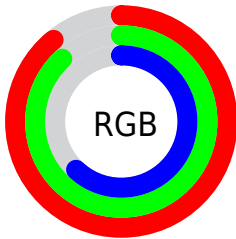
Format	Color
RYB	162, 227, 159
Decimal	14934175
CIELab	88.07, -8.91, 32.32
CIELCh	88, 33.527, 105.417
Yxy	72.2136, 0.3587, 0.4008
Android (android.graphics.Color)	4293124255 (0xFFE3E09F)
YUV	217.4870, -28.8341, 8.3429
Hunter-Lab	84.9786, -12.9630, 29.2511

Details

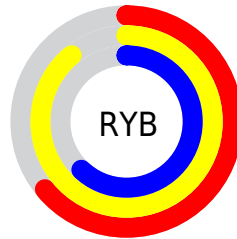
The RYB color **162, 227, 159** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **159, 162, 227**, and the grayscale version is **218, 218, 218**.

A 20% lighter version of the original color is **214, 255, 214**, and **109, 171, 107** is the 20% darker color. If you saturate the color by 10%, you get **140, 227, 136**, and if you desaturate by 10%, it is **184, 227, 182**.

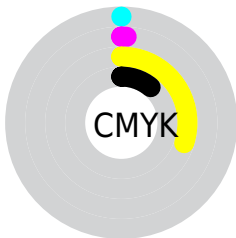
Distribution



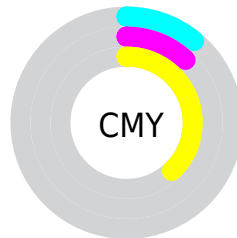
- Red (89%)
- Green (88%)
- Blue (62%)



- Red (64%)
- Yellow (89%)
- Blue (62%)



- Cyan (0%)
- Magenta (1%)
- Yellow (30%)
- Black (11%)



- Cyan (11%)
- Magenta (12%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 162, 227, 159 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 162, 227, 159 by changing the saturation by 10% instead.


 162, 227, 159

255, 255, 255

 214, 255, 214

 243, 255, 243

 162, 227, 159


 136, 199, 133

 109, 171, 107

 83, 144, 82

 58, 117, 58

 35, 93, 36

 11, 69, 13

 0, 47, 2

 0, 26, 7

 0, 0, 0

 162, 227, 159

 162, 227, 159

 140, 227, 136

 184, 227, 182

 119, 227, 114

 205, 227, 204

 97, 227, 91

 227, 227, 227

 75, 227, 68

 227, 228, 250

 54, 227, 46

 227, 229, 255

 32, 227, 23

 227, 230, 255

 10, 227, 0

 227, 231, 255

 227, 231, 255

 227, 232, 255

Harmonies

Analogous

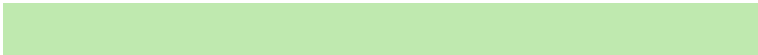
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



232, 255, 160



162, 227, 159



175, 233, 217

Triad

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



162, 227, 159



127, 186, 255



255, 199, 238

Complementary

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



162, 227, 159



159, 162, 227

Split Complementary

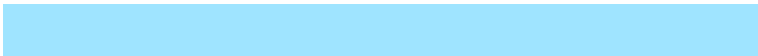
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



246, 207, 255



162, 227, 159



159, 199, 255

Square

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



162, 227, 159



127, 184, 239



204, 215, 255



255, 198, 205

Rectangle

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



162, 227, 159



166, 217, 236



204, 215, 255



255, 201, 248

Sweetspot

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



162, 227, 159



233, 255, 232



227, 159, 162



114, 128, 113



0, 0, 0



128, 128, 128

Same Dimension

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



162, 227, 159



167, 255, 163



159, 227, 190



104, 115, 103



8, 179, 0



2, 51, 0

Inverse Universe

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



159, 162, 227



163, 167, 255



190, 159, 227



103, 104, 115



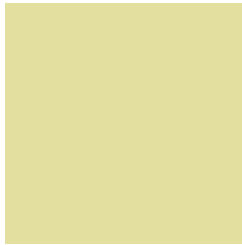
0, 8, 179



0, 2, 51

Previews

White Background



This preview shows how the RYB color 162, 227, 159 looks on a white background.

Color Contrast Check

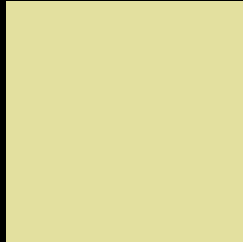
Large Text (above 18pt) WCAG AA × Fail

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 162, 227, 159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

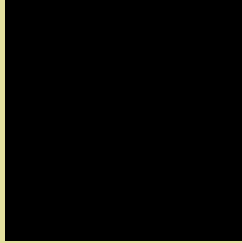
Any Text WCAG AA ✓ Pass

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 162, 227, 159 Background



This preview shows how black text looks on a background with the RYB color 162, 227, 159.



This preview shows how white text looks on a background with the RYB color 162, 227, 159.

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](#).

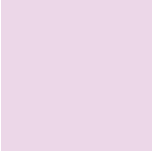
Dichromacy



Original Color
162, 227, 159

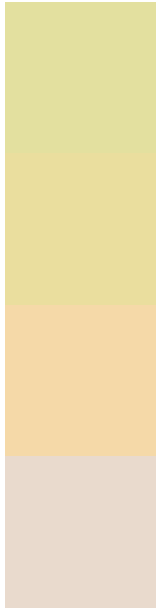
Protanopia
179, 238, 157

Deuteranopia
255, 251, 173



Tritanopia
236, 215, 232

Trichromacy



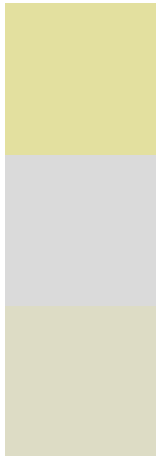
Original Color
162, 227, 159

Protanomaly
172, 234, 158

Deuteranomaly
212, 245, 168

Tritanomaly
233, 229, 205

Monochromacy



Original Color
162, 227, 159

Achromatopsia
218, 218, 218

Achromatomaly
198, 221, 197

CSS Examples

Text

The CSS property to change the color of the text to RGB 162, 227, 159 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, 224, 159) looks like.

```
.text, #text, p{  
    color:rgb(227, 224, 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, 224, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 224, 159) }
```

Border

The CSS property to change the border of an element to RYB 162, 227, 159 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, 224, 159) }
```

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

```
.border{ border-color:rgb(227, 224, 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, 224, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 224, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 224, 159);  
box-shadow:4px 4px 4px 4px rgb(227, 224,  
159) }
```

Background

The CSS property to change the background color of an element to RYB 162, 227, 159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 224, 159) }
```

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

```
.background{ background-color: rgb(227,  
224, 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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