

Converting Colors

`RYB(159, 236, 136)`

Have a look what the booklet for
RYB(159, 236, 136) contains.

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Color

R_YB(159, 236, 136)

Conversions

Conversions Part 1

Format	Color
Hex	ECD988
RGB	236, 217, 136
RGB Percent	93%, 85%, 53%
CMY	0.0745, 0.1478, 0.4667
CMYK	0.00, 0.08, 0.42, 0.07
HSL	49°, 72%, 73%
HSV	49°, 42%, 93%
XYZ	63.9265, 69.3914, 33.3171
YIQ	213.4470, 37.3250, -21.1630

Conversions

Conversions Part 2

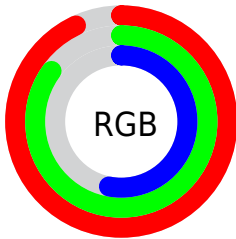
Format	Color
RYB	159, 236, 136
Decimal	15522184
CIELab	86.70, -4.58, 42.29
CIELCh	87, 42.541, 96.186
Yxy	69.3914, 0.3836, 0.4164
Android (android.graphics.Color)	4293712264 (0xFFECD988)
YUV	213.4470, -38.1814, 19.7790
Hunter-Lab	83.3015, -8.7947, 34.5975

Details

The RYB color **159, 236, 136** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **136, 152, 236**, and the grayscale version is **214, 214, 214**.

A 20% lighter version of the original color is **190, 255, 190**, and **105, 179, 84** is the 20% darker color. If you saturate the color by 10%, you get **140, 236, 112**, and if you desaturate by 10%, it is **177, 236, 160**.

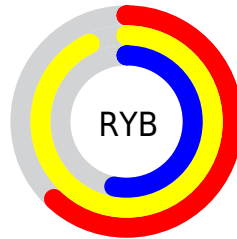
Distribution



Red (93%)

Green (85%)

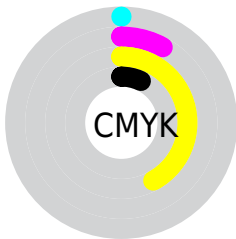
Blue (53%)



Red (62%)

Yellow (93%)

Blue (53%)

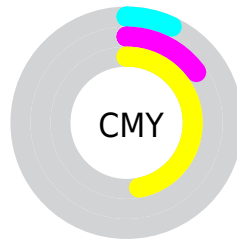


Cyan (0%)

Magenta (8%)

Yellow (42%)

Black (7%)



Cyan (7%)

Magenta (15%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 236, 136 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, 236, 136 by changing the saturation by 10% instead.

 159, 236, 136

255, 255, 255


 190, 255, 190

 219, 255, 219


 247, 255, 247

 159, 236, 136

 131, 207, 110

 103, 179, 84

 78, 151, 60

 50, 124, 35

 18, 97, 7

 9, 72, 0

 6, 47, 0

 0, 22, 0


 0, 0, 0

 159, 236, 136

 159, 236, 136

 140, 236, 112

 177, 236, 160

 124, 236, 89

 195, 236, 183

 104, 236, 65

 213, 236, 207

 86, 236, 42

 231, 236, 230

 68, 236, 18

 236, 239, 254

 54, 236, 0

 236, 242, 255

 236, 243, 255

 236, 245, 255

 236, 246, 255

Harmonies

Analogous

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



242, 255, 144



159, 236, 136



151, 229, 188

Triad

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



159, 236, 136



63, 154, 255



255, 191, 250

Complementary

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



159, 236, 136



136, 152, 236

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, 204, 255



159, 236, 136



107, 174, 255

Square

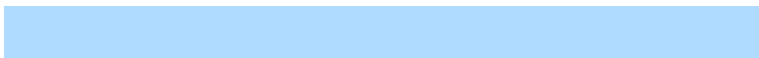
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



159, 236, 136



92, 169, 239



174, 203, 255



255, 186, 210

Rectangle

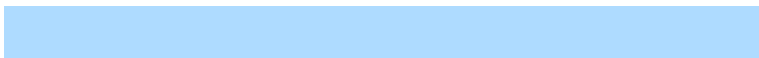
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



159, 236, 136



160, 224, 234



174, 203, 255



255, 195, 255

Sweetspot

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



159, 236, 136



229, 255, 222



236, 136, 156



112, 128, 107



0, 0, 0



128, 128, 128

Same Dimension

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



159, 236, 136



154, 255, 125



136, 236, 166



108, 117, 106



42, 181, 0



12, 54, 0

Inverse Universe

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



136, 152, 236



125, 145, 255



166, 136, 236



106, 108, 117



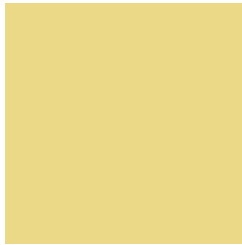
0, 29, 181



0, 8, 54

Previews

White Background



This preview shows how the RYB color 159, 236, 136 looks on a white background.

Color Contrast Check

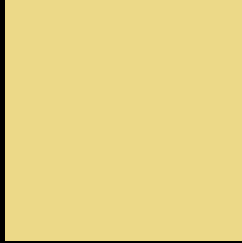
Large Text (above 18pt) WCAG AA × Fail

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, 236, 136 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, 236, 136 Background



This preview shows how black text looks on a background with the RYB color 159, 236, 136.

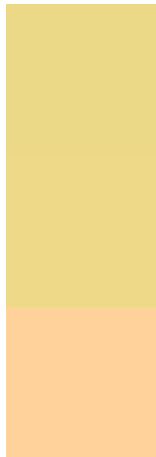


This preview shows how white text looks on a background with the RYB color 159, 236, 136.

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
159, 236, 136

Protanopia
161, 237, 136

Deuteranopia
240, 255, 155



Tritanopia
245, 207, 223

Trichromacy



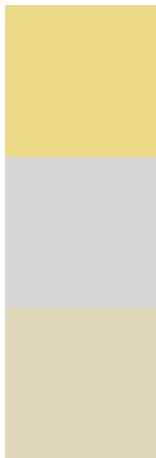
Original Color
159, 236, 136

Protanomaly
161, 237, 136

Deuteranomaly
204, 248, 148

Tritanomaly
242, 224, 191

Monochromacy



Original Color
159, 236, 136

Achromatopsia
214, 214, 214

Achromatomaly
195, 222, 186

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 236, 136 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(236, 217, 136)` looks like.

```
.text, #text, p{  
    color:rgb(236, 217, 136)  
}
```

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(236, 217, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 217, 136) }
```

Border

The CSS property to change the border of an element to RYB 159, 236, 136 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(236, 217, 136) }
```

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

```
.border{ border-color:rgb(236, 217, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 217, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 217, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 217, 136);  
box-shadow:4px 4px 4px 4px rgb(236, 217,  
136) }
```

Background

The CSS property to change the background color of an element to RYB 159, 236, 136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 217, 136) }
```

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

```
.background{ background-color: rgb(236,  
217, 136) }
```

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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