

Converting Colors

`RYB(156, 237, 154)`

Have a look what the booklet for
RYB(156, 237, 154) contains.

RYB(156, 237, 154)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(156, 237, 154)

Conversions

Conversions Part 1

Format	Color
Hex	EDEB9A
RGB	237, 235, 154
RGB Percent	93%, 92%, 60%
CMY	0.0706, 0.0782, 0.3961
CMYK	0.00, 0.01, 0.35, 0.07
HSL	59°, 70%, 77%
HSV	59°, 35%, 93%
XYZ	70.4796, 79.7812, 42.2565
YIQ	226.3640, 27.1930, -24.7670

Conversions

Conversions Part 2

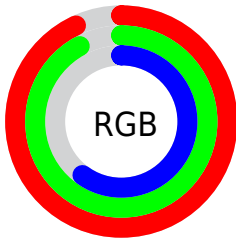
Format	Color
RYB	156, 237, 154
Decimal	15592346
CIELab	91.59, -11.17, 39.61
CIELCh	92, 41.156, 105.753
Yxy	79.7812, 0.3661, 0.4144
Android (android.graphics.Color)	4293782426 (0xFFEDEB9A)
YUV	226.3640, -35.6755, 9.3278
Hunter-Lab	89.3203, -15.4624, 34.4748

Details

The RYB color **156, 237, 154** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **154, 156, 237**, and the grayscale version is **227, 227, 227**.

A 20% lighter version of the original color is **209, 255, 209**, and **103, 180, 102** is the 20% darker color. If you saturate the color by 10%, you get **133, 237, 130**, and if you desaturate by 10%, it is **179, 237, 178**.

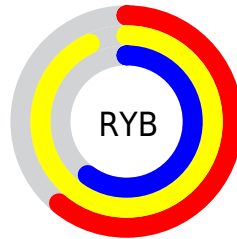
Distribution



Red (93%)

Green (92%)

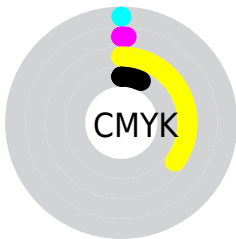
Blue (60%)



Red (61%)

Yellow (93%)

Blue (60%)

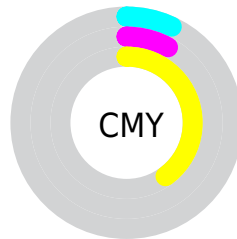


Cyan (0%)

Magenta (1%)

Yellow (35%)

Black (7%)



Cyan (7%)

Magenta (8%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 156, 237, 154 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 156, 237, 154 by changing the saturation by 10% instead.

 156, 237, 154

255, 255, 255

 209, 255, 209


 238, 255, 238


 156, 237, 154


 128, 208, 127

 103, 180, 102

 77, 153, 78


 52, 127, 54

 27, 102, 30

 0, 78, 4

 0, 55, 5

 0, 34, 8

 0, 11, 11

 156, 237, 154

 156, 237, 154

 133, 237, 130

 179, 237, 178

 110, 237, 107

 202, 237, 201

 87, 237, 83

 225, 237, 225

 63, 237, 59

 237, 237, 249

 41, 237, 36

 237, 238, 255

 17, 237, 12

 237, 239, 255

 6, 237, 0

 237, 240, 255

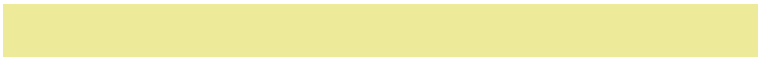
Harmonies

Analogous

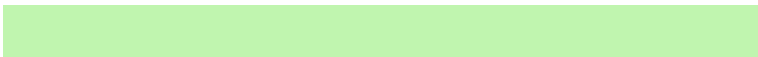
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



204, 255, 155



156, 237, 154



175, 245, 228

Triad

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



156, 237, 154



100, 176, 255



255, 203, 251

Complementary

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



156, 237, 154



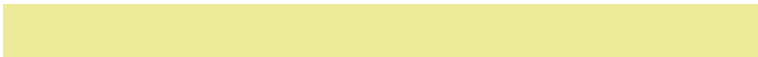
154, 156, 237

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, 213, 255



156, 237, 154



148, 197, 255

Square

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



156, 237, 154



104, 178, 252



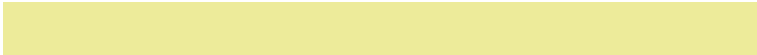
209, 222, 255



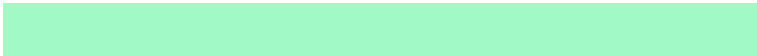
255, 201, 211

Rectangle

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



156, 237, 154



161, 224, 250



209, 222, 255



255, 206, 255

Sweetspot

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



156, 237, 154



228, 255, 227



237, 154, 157



112, 128, 111



0, 0, 0



128, 128, 128

Same Dimension

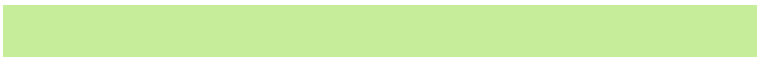
The Same Dimension uses a secret algorithm to generate beautiful new colors.



156, 237, 154



151, 255, 148



154, 237, 193



106, 117, 106



4, 181, 0



2, 54, 0

Inverse Universe

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



154, 156, 237



148, 150, 255



193, 154, 237



106, 106, 117



0, 4, 181



0, 1, 54

Previews

White Background



This preview shows how the RYB color 156, 237, 154 looks on a white background.

Color Contrast Check

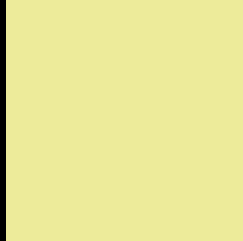
Large Text (above 18pt) WCAG AA × Fail

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 156, 237, 154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

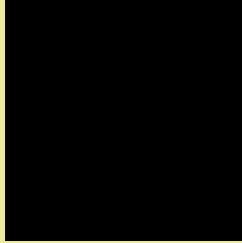
Any Text WCAG AA ✓ Pass

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](#).

R Y B 156, 237, 154 Background



This preview shows how black text looks on a background with the RYB color 156, 237, 154.

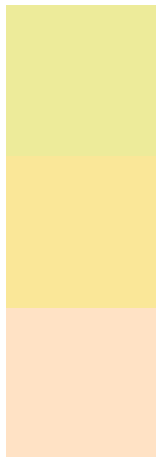


This preview shows how white text looks on a background with the RYB color 156, 237, 154.

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](#).

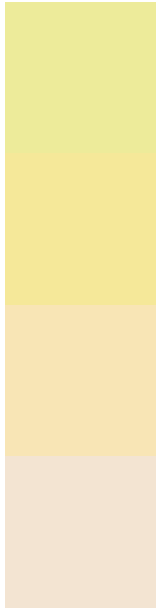
Dichromacy

	Original Color 156, 237, 154
	Protanopia 176, 250, 152
	Deuteranopia 255, 255, 197



Tritanopia
247, 224, 242

Trichromacy



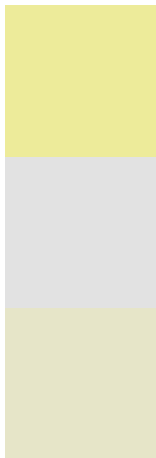
Original Color
156, 237, 154

Protanomaly
168, 245, 153

Deuteranomaly
208, 248, 181

Tritanomaly
238, 243, 210

Monochromacy



Original Color
156, 237, 154

Achromatopsia
226, 226, 226

Achromatomaly
201, 230, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 156, 237, 154 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(237, 235, 154)` looks like.

```
.text, #text, p{  
    color:rgb(237, 235, 154)  
}
```

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(237, 235, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 235, 154) }
```

Border

The CSS property to change the border of an element to RYB 156, 237, 154 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(237, 235, 154) }
```

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

```
.border{ border-color:rgb(237, 235, 154) }
```

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

Here you see how a box with a 4 pixel rgb(237, 235, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 235, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 235, 154);  
box-shadow:4px 4px 4px 4px rgb(237, 235,  
154) }
```

Background

The CSS property to change the background color of an element to RYB 156, 237, 154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 235, 154) }
```

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

```
.background{ background-color: rgb(237,  
235, 154) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor