

Converting Colors

`RYB(156, 237, 128)`

Have a look what the booklet for
RYB(156, 237, 128) contains.

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Color

R_YB(156, 237, 128)

Conversions

Conversions Part 1

Format	Color
Hex	EDD780
RGB	237, 215, 128
RGB Percent	93%, 84%, 50%
CMY	0.0706, 0.1580, 0.4980
CMYK	0.00, 0.09, 0.46, 0.07
HSL	48°, 75%, 72%
HSV	48°, 46%, 93%
XYZ	63.0512, 68.0228, 30.2286
YIQ	211.6600, 41.0390, -22.3930

Conversions

Conversions Part 2

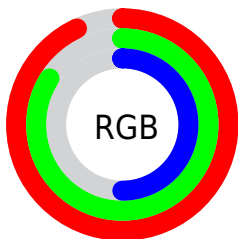
Format	Color
RYB	156, 237, 128
Decimal	15587200
CIELab	86.02, -3.66, 45.42
CIELCh	86, 45.569, 94.611
Yxy	68.0228, 0.3909, 0.4217
Android (android.graphics.Color)	4293777280 (0xFFEDD780)
YUV	211.6600, -41.2444, 22.2232
Hunter-Lab	82.4759, -7.8732, 36.0025

Details

The RYB color **156, 237, 128** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **128, 146, 237**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is **182, 255, 182**, and **99, 179, 76** is the 20% darker color. If you saturate the color by 10%, you get **138, 237, 104**, and if you desaturate by 10%, it is **173, 237, 152**.

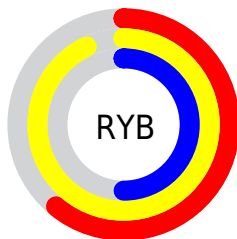
Distribution



Red (93%)

Green (84%)

Blue (50%)



Red (61%)

Yellow (93%)

Blue (50%)

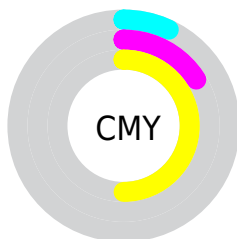


Cyan (0%)

Magenta (9%)

Yellow (46%)

Black (7%)



Cyan (7%)

Magenta (16%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 156, 237, 128 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, 128 by changing the saturation by 10% instead.

 156, 237, 128

255, 255, 255

 182, 255, 182


 210, 255, 210

 239, 255, 239

 156, 237, 128

 128, 208, 102

 100, 179, 77


 71, 151, 51

 44, 124, 26

 14, 97, 0

 12, 72, 0

 7, 46, 0

 1, 21, 0

 0, 0, 0

156, 237, 128

156, 237, 128

138, 237, 104

173, 237, 152

121, 237, 81

191, 237, 175

104, 237, 57

209, 237, 199

86, 237, 33

227, 237, 223

67, 237, 9

237, 239, 246

60, 237, 0

237, 242, 255

237, 244, 255

237, 245, 255

237, 246, 255

Harmonies

Analogous

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



242, 255, 138



156, 237, 128



142, 227, 178

Triad

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



156, 237, 128



1, 123, 255



255, 187, 253

Complementary

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



156, 237, 128



128, 146, 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.



229, 201, 255



156, 237, 128



84, 162, 255

Square

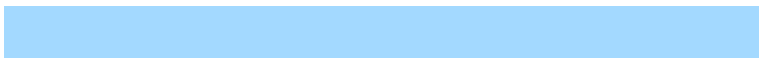
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



156, 237, 128



76, 161, 238



163, 197, 255



255, 181, 210

Rectangle

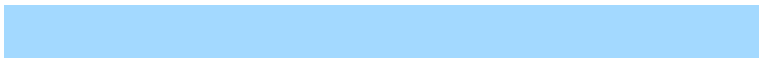
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



156, 237, 128



157, 227, 233



163, 197, 255



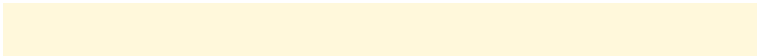
255, 191, 255

Sweetspot

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



156, 237, 128



228, 255, 219



237, 128, 152



112, 128, 106



0, 0, 0



128, 128, 128

Same Dimension

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



156, 237, 128



152, 255, 115



128, 237, 159



108, 117, 106



47, 181, 0



14, 54, 0

Inverse Universe

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



128, 146, 237



115, 138, 255



159, 128, 237



106, 108, 117



0, 31, 181



0, 9, 54

Previews

White Background



This preview shows how the RYB color 156, 237, 128 looks on a white background.

Color Contrast Check

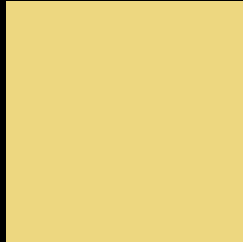
Large Text (above 18pt) WCAG AA × Fail

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, 128 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](#).

RYP 156, 237, 128 Background



This preview shows how black text looks on a background with the RYP color 156, 237, 128.



This preview shows how white text looks on a background with the RYP color 156, 237, 128.

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, 128

Protanopia
153, 235, 128

Deuteranopia
232, 255, 146



Tritanopia
246, 204, 220

Trichromacy



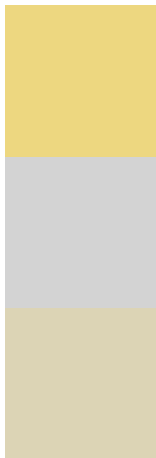
Original Color
156, 237, 128

Protanomaly
154, 236, 128

Deuteranomaly
197, 248, 139

Tritanomaly
243, 221, 187

Monochromacy



Original Color
156, 237, 128

Achromatopsia
211, 211, 211

Achromatomaly
191, 220, 181

CSS Examples

Text

The CSS property to change the color of the text to RGB 156, 237, 128 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, 215, 128) looks like.

```
.text, #text, p{  
    color:rgb(237, 215, 128)  
}
```

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, 215, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 215, 128) }
```

Border

The CSS property to change the border of an element to RYB 156, 237, 128 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, 215, 128) }
```

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

```
.border{ border-color:rgb(237, 215, 128) }
```

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

Here you see how a box with a 4 pixel rgb(237, 215, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 215, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 215, 128);  
box-shadow:4px 4px 4px 4px rgb(237, 215,  
128) }
```

Background

The CSS property to change the background color of an element to RYB 156, 237, 128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 215, 128) }
```

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

```
.background{ background-color: rgb(237,  
215, 128) }
```

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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