

Converting Colors

`RYB(156, 231, 123)`

Have a look what the booklet for
RYB(156, 231, 123) contains.

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Color

R_YB(156, 231, 123)

Conversions

Conversions Part 1

Format	Color
Hex	E7CE7B
RGB	231, 206, 123
RGB Percent	91%, 81%, 48%
CMY	0.0941, 0.1932, 0.5176
CMYK	0.00, 0.11, 0.47, 0.09
HSL	46°, 69%, 69%
HSV	46°, 47%, 91%
XYZ	58.5349, 62.4285, 27.7037
YIQ	204.0130, 41.5430, -20.5130

Conversions

Conversions Part 2

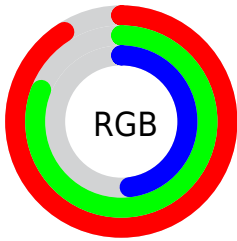
Format	Color
RYB	156, 231, 123
Decimal	15191675
CIELab	83.14, -1.93, 44.20
CIELCh	83, 44.242, 92.504
Yxy	62.4285, 0.3937, 0.4199
Android (android.graphics.Color)	4293381755 (0xFFE7CE7B)
YUV	204.0130, -39.9394, 23.6676
Hunter-Lab	79.0117, -6.0309, 34.5195

Details

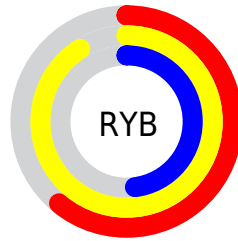
The RYB color **156, 231, 123** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **123, 143, 231**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **177, 255, 177**, and **99, 173, 72** is the 20% darker color. If you saturate the color by 10%, you get **141, 231, 100**, and if you desaturate by 10%, it is **172, 231, 146**.

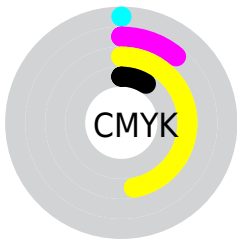
Distribution



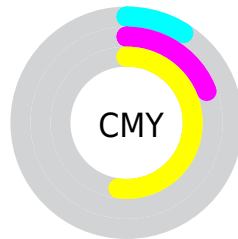
- Red (91%)
- Green (81%)
- Blue (48%)



- Red (61%)
- Yellow (91%)
- Blue (48%)



- Cyan (0%)
- Magenta (11%)
- Yellow (47%)
- Black (9%)



- Cyan (9%)
- Magenta (19%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the RYB color 156, 231, 123 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, 231, 123 by changing the saturation by 10% instead.

 156, 231, 123

 156, 231, 123


255, 255, 255

 128, 202, 97


 177, 255, 177

 99, 173, 72

 205, 255, 205

 72, 146, 47

 233, 255, 233

 42, 118, 21

 18, 92, 0

 13, 66, 0


 8, 41, 0

 0, 12, 0


 0, 0, 0

 156, 231, 123

 156, 231, 123

 141, 231, 100

 172, 231, 146

 124, 231, 77


 187, 231, 169

 107, 231, 54


 204, 231, 192

 92, 231, 31

 220, 231, 215

 76, 231, 8

 231, 233, 239

 70, 231, 0

 231, 236, 255

 231, 239, 255

 231, 241, 255

 231, 243, 255

Harmonies

Analogous

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



255, 242, 134



156, 231, 123



135, 218, 166

Triad

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



156, 231, 123



4, 121, 250



255, 181, 246

Complementary

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



156, 231, 123



123, 143, 231

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.



216, 195, 255



156, 231, 123



75, 156, 255

Square

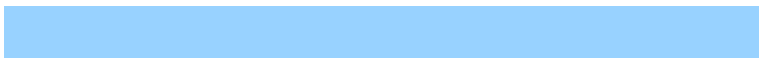
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



156, 231, 123



78, 159, 229



152, 189, 255



255, 174, 205

Rectangle

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



156, 231, 123



154, 223, 224



152, 189, 255



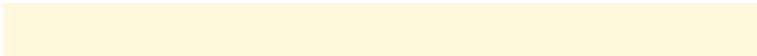
249, 185, 255

Sweetspot

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



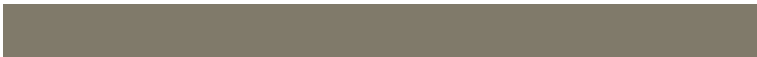
156, 231, 123



229, 255, 219



231, 123, 150



114, 128, 106



0, 0, 0



128, 128, 128

Same Dimension

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



156, 231, 123



155, 255, 112



123, 231, 150



107, 115, 103



55, 179, 0



16, 51, 0

Inverse Universe

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



123, 143, 231



112, 139, 255



150, 123, 231



103, 105, 115



0, 34, 179



0, 10, 51

Previews

White Background



This preview shows how the RYB color 156, 231, 123 looks on a white background.

Color Contrast Check

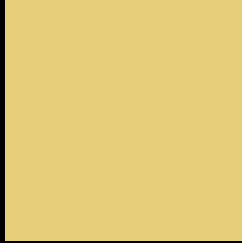
Large Text (above 18pt) WCAG AA × Fail

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, 231, 123 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 156, 231, 123 Background



This preview shows how black text looks on a background with the RYB color 156, 231, 123.




This preview shows how white text looks on a background with the RYB color 156, 231, 123.

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
240, 195, 210

Trichromacy



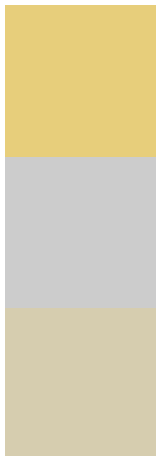
Original Color
156, 231, 123

Protanomaly
150, 228, 124

Deuteranomaly
191, 244, 124

Tritanomaly
237, 211, 178

Monochromacy



Original Color
156, 231, 123

Achromatopsia
204, 204, 204

Achromatomaly
187, 214, 175

CSS Examples

Text

The CSS property to change the color of the text to RGB 156, 231, 123 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(231, 206, 123) looks like.

```
.text, #text, p{  
    color:rgb(231, 206, 123)  
}
```

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(231, 206, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 206, 123) }
```

Border

The CSS property to change the border of an element to RYB 156, 231, 123 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(231, 206, 123) }
```

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

```
.border{ border-color:rgb(231, 206, 123) }
```

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

Here you see how a box with a 4 pixel rgb(231, 206, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 206, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 206, 123);  
box-shadow:4px 4px 4px 4px rgb(231, 206,  
123) }
```

Background

The CSS property to change the background color of an element to RYB 156, 231, 123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 206, 123) }
```

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

```
.background{ background-color: rgb(231,  
206, 123) }
```

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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