

Converting Colors

`RYB(157, 232, 84)`

Have a look what the booklet for
RYB(157, 232, 84) contains.

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Color

R_YB(157, 232, 84)

Conversions

Conversions Part 1

Format	Color
Hex	E8B754
RGB	232, 183, 84
RGB Percent	91%, 72%, 33%
CMY	0.0902, 0.2819, 0.6706
CMYK	0.00, 0.21, 0.64, 0.09
HSL	40°, 76%, 62%
HSV	40°, 64%, 91%
XYZ	51.8358, 51.7096, 15.6364
YIQ	186.3650, 60.9830, -20.4010

Conversions

Conversions Part 2

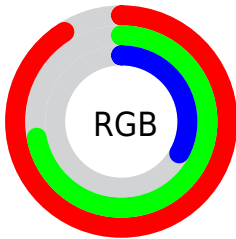
Format	Color
RYB	157, 232, 84
Decimal	15251284
CIELab	77.11, 7.19, 55.79
CIELCh	77, 56.255, 82.662
Yxy	51.7096, 0.4349, 0.4339
Android (android.graphics.Color)	4293441364 (0xFFE8B754)
YUV	186.3650, -50.4659, 40.0219
Hunter-Lab	71.9094, 2.8301, 37.4442

Details

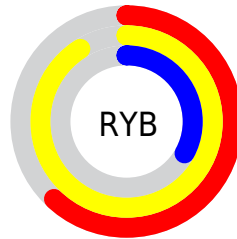
The RYB color **157, 232, 84** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **84, 121, 232**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **156, 255, 137**, and **91, 173, 30** is the 20% darker color. If you saturate the color by 10%, you get **147, 232, 61**, and if you desaturate by 10%, it is **168, 232, 107**.

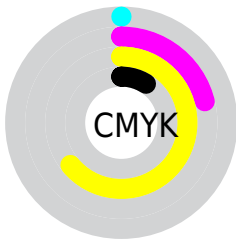
Distribution



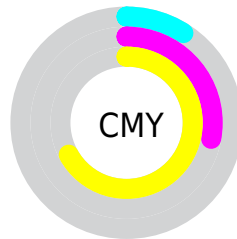
- Red (91%)
- Green (72%)
- Blue (33%)



- Red (62%)
- Yellow (91%)
- Blue (33%)



- Cyan (0%)
- Magenta (21%)
- Yellow (64%)
- Black (9%)



- Cyan (9%)
- Magenta (28%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the RYB color 157, 232, 84 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 157, 232, 84 by changing the saturation by 10% instead.


 157, 232, 84

 157, 232, 84

255, 255, 255

 126, 202, 58

 156, 255, 137

 91, 173, 30

 164, 255, 164

 53, 144, 0

 192, 255, 192

 50, 116, 0

 221, 255, 221

 43, 88, 0

 250, 255, 250

 40, 61, 0

 36, 32, 0

 0, 0, 0

 157, 232, 84

 157, 232, 84

147, 232, 61

168, 232, 107

134, 232, 38

181, 232, 130

122, 232, 14

193, 232, 154

115, 232, 0

204, 232, 177

217, 232, 200

228, 232, 223

232, 236, 246

232, 240, 255

232, 243, 255

Harmonies

Analogous

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



255, 197, 109



157, 232, 84



90, 199, 107

Triad

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



157, 232, 84



0, 111, 229



242, 161, 254

Complementary

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



157, 232, 84



84, 121, 232

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.



173, 181, 255



157, 232, 84



0, 115, 255

Square

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



157, 232, 84



0, 119, 216



46, 135, 255



255, 147, 205

Rectangle

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



157, 232, 84



111, 207, 176



46, 135, 255



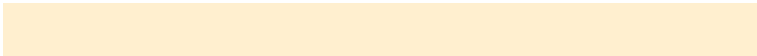
223, 168, 255

Sweetspot

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



157, 232, 84



231, 255, 207



232, 84, 133



113, 128, 98



0, 0, 0



128, 128, 128

Same Dimension

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



157, 232, 84



156, 255, 59



84, 232, 109



109, 115, 103



88, 179, 0



26, 51, 0

Inverse Universe

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



84, 121, 232



59, 108, 255



109, 84, 232



103, 106, 115



0, 44, 179



0, 13, 51

Previews

White Background



This preview shows how the RYB color 157, 232, 84 looks on a white background.

Color Contrast Check

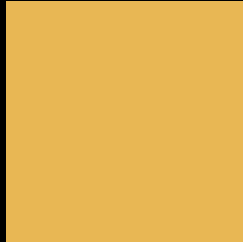
Large Text (above 18pt) WCAG AA × Fail

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 157, 232, 84 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 157, 232, 84 Background



This preview shows how black text looks on a background with the RYB color 157, 232, 84.



This preview shows how white text looks on a background with the RYB color 157, 232, 84.

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
157, 232, 84

Protanopia
111, 212, 86

Deuteranopia
170, 236, 84



Tritanopia
240, 172, 185

Trichromacy



Original Color

157, 232, 84

Protanomaly

125, 219, 85

Deuteranomaly

166, 235, 84

Tritanomaly

237, 189, 148

Monochromacy



Original Color

157, 232, 84

Achromatopsia

186, 186, 186

Achromatomaly

176, 203, 149

CSS Examples

Text

The CSS property to change the color of the text to RYB 157, 232, 84 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(232, 183, 84)` looks like.

```
.text, #text, p{  
    color:rgb(232, 183, 84)  
}
```

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(232, 183, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 183, 84) }
```

Border

The CSS property to change the border of an element to RYB 157, 232, 84 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(232, 183, 84) }
```

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

```
.border{ border-color:rgb(232, 183, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 183, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 183, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 183, 84);  
box-shadow:4px 4px 4px 4px rgb(232, 183,  
84) }
```

Background

The CSS property to change the background color of an element to RYB 157, 232, 84 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 183, 84) }
```

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

```
.background{ background-color: rgb(232,  
183, 84) }
```

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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