

Converting Colors

`RYB(233, 174, 86)`

Have a look what the booklet for
RYB(233, 174, 86) contains.

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Color

$\text{RYB}(233, 174, 86)$

Conversions

Conversions Part 1

Format	Color
Hex	E98D56
RGB	233, 141, 86
RGB Percent	91%, 55%, 34%
CMY	0.0863, 0.4469, 0.6627
CMYK	0.00, 0.39, 0.63, 0.09
HSL	22°, 77%, 63%
HSV	22°, 63%, 91%
XYZ	44.8158, 37.0591, 13.5952
YIQ	162.2380, 72.4870, 2.3990

Conversions

Conversions Part 2

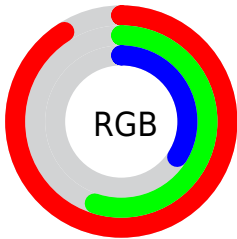
Format	Color
R _Y B	233, 174, 86
Decimal	15306070
CIE Lab	67.32, 30.02, 43.69
CIE LCh	67, 53.014, 55.508
Yxy	37.0591, 0.4694, 0.3882
Android (android.graphics.Color)	4293496150 (0xFFE98D56)
YUV	162.2380, -37.5853, 62.0583
Hunter-Lab	60.8762, 24.8747, 29.3724

Details

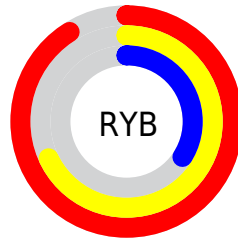
The RYB color **233, 174, 86** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **86, 143, 233**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **255, 251, 137**, and **173, 123, 38** is the 20% darker color. If you saturate the color by 10%, you get **233, 163, 63**, and if you desaturate by 10%, it is **233, 185, 109**.

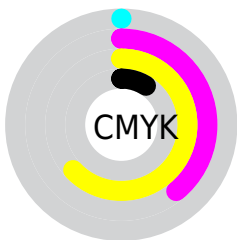
Distribution



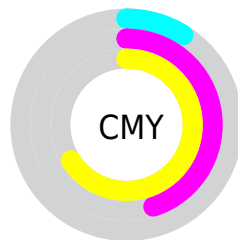
- Red (91%)
- Green (55%)
- Blue (34%)



- Red (91%)
- Yellow (68%)
- Blue (34%)



- Cyan (0%)
- Magenta (39%)
- Yellow (63%)
- Black (9%)




















- Cyan (9%)
- Magenta (45%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the RYB color 233, 174, 86 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 233, 174, 86 by changing the saturation by 10% instead.

 233, 174, 86	 233, 174, 86
 255, 255, 255	 203, 147, 62
 255, 251, 137	 173, 123, 38
 211, 255, 164	 143, 101, 12
 194, 255, 191	 114, 67, 0
 220, 255, 220	 86, 23, 0
 248, 255, 248	 58, 0, 0
	 32, 0, 1
	 0, 0, 0

 233, 174, 86  233, 174, 86

233, 163, 63

233, 185, 109

233, 156, 39

233, 192, 133

233, 145, 16

233, 203, 156

233, 139, 0

233, 211, 179

233, 220, 203

233, 229, 226

233, 239, 249

233, 244, 255

Harmonies

Analogous

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



252, 126, 125



233, 174, 86



118, 197, 65

Triad

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



233, 174, 86



0, 102, 187



155, 154, 250

Complementary

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



233, 174, 86



86, 143, 233

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.



36, 120, 255



233, 174, 86



0, 98, 204

Square

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



233, 174, 86



91, 169, 183



0, 104, 242



216, 135, 219

Rectangle

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



233, 174, 86



67, 169, 69



0, 104, 242



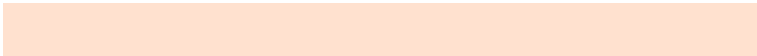
127, 153, 255

Sweetspot

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



233, 174, 86



255, 236, 207



233, 86, 179



128, 115, 98



0, 0, 0



128, 128, 128

Same Dimension

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



233, 174, 86



255, 178, 61



109, 233, 86



117, 112, 106



181, 109, 0



54, 32, 0

Inverse Universe

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



86, 143, 233



61, 136, 255



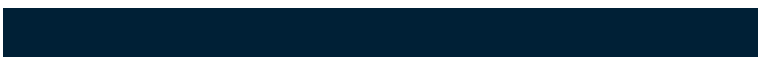
86, 104, 233



106, 110, 117



0, 70, 181



0, 20, 54

Previews

White Background



This preview shows how the RYB color 233, 174, 86 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 233, 174, 86 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

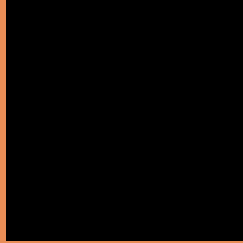
Any Text WCAG AA ✓ Pass

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_YB 233, 174, 86 Background



This preview shows how black text looks on a background with the R_YB color 233, 174, 86.



This preview shows how white text looks on a background with the R_YB color 233, 174, 86.

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
233, 174, 86

Protanopia
114, 180, 94

Deuteranopia
155, 202, 83



Tritanopia
237, 134, 144

Trichromacy



Original Color

233, 174, 86

Protanomaly

162, 199, 91

Deuteranomaly

203, 213, 84

Tritanomaly

236, 139, 123

Monochromacy



Original Color

233, 174, 86

Achromatopsia

162, 162, 162

Achromatomaly

188, 166, 134

CSS Examples

Text

The CSS property to change the color of the text to RYB 233, 174, 86 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(233, 141, 86)` looks like.

```
.text, #text, p{  
    color:rgb(233, 141, 86)  
}
```

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(233, 141, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 141, 86) }
```

Border

The CSS property to change the border of an element to RYB 233, 174, 86 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(233, 141, 86) }
```

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

```
.border{ border-color:rgb(233, 141, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 141, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 141, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 141, 86);  
box-shadow:4px 4px 4px 4px rgb(233, 141,  
86) }
```

Background

The CSS property to change the background color of an element to RGB 233, 174, 86 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 141, 86) }
```

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

```
.background{ background-color: rgb(233,  
141, 86) }
```

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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