

Converting Colors

`RYB(235, 191, 64)`

Have a look what the booklet for
RYB(235, 191, 64) contains.

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Color

R_YB(235, 191, 64)

Conversions

Conversions Part 1

Format	Color
Hex	EB8940
RGB	235, 137, 64
RGB Percent	92%, 54%, 25%
CMY	0.0784, 0.4632, 0.7490
CMYK	0.00, 0.42, 0.73, 0.08
HSL	26°, 81%, 59%
HSV	26°, 73%, 92%
XYZ	44.1144, 35.8884, 9.4526
YIQ	157.9800, 81.8410, -1.9270

Conversions

Conversions Part 2

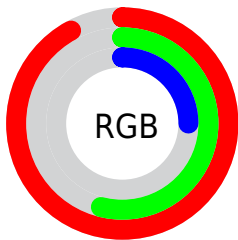
Format	Color
RYB	235, 191, 64
Decimal	15436096
CIELab	66.43, 31.80, 53.57
CIElCh	66, 62.300, 59.304
Yxy	35.8884, 0.4931, 0.4012
Android (android.graphics.Color)	4293626176 (0xFFEB8940)
YUV	157.9800, -46.3321, 67.5465
Hunter-Lab	59.9069, 26.6072, 32.5796

Details

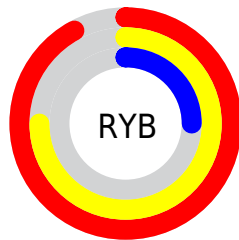
The RYB color **235, 191, 64** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **64, 126, 235**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **233, 255, 115**, and **174, 155, 8** is the 20% darker color. If you saturate the color by 10%, you get **235, 183, 41**, and if you desaturate by 10%, it is **235, 195, 88**.

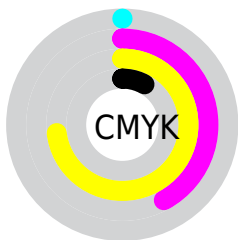
Distribution



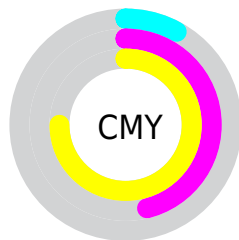
- Red (92%)
- Green (54%)
- Blue (25%)



- Red (92%)
- Yellow (75%)
- Blue (25%)



- Cyan (0%)
- Magenta (42%)
- Yellow (73%)
- Black (8%)


















- Cyan (8%)
- Magenta (46%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the RYB color 235, 191, 64 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 235, 191, 64 by changing the saturation by 10% instead.

 235, 191, 64	 235, 191, 64
255, 255, 255	 204, 168, 38
 233, 255, 115	 174, 155, 8
 195, 255, 142	 144, 106, 0
 177, 255, 169	 114, 55, 0
 197, 255, 197	 85, 14, 0
 225, 255, 225	 57, 0, 0
254, 255, 254	 30, 0, 1
	 0, 0, 0

 235, 191, 64

 235, 191, 64

■ 235, 183, 41

■ 235, 195, 88

■ 235, 179, 17

■ 235, 204, 111

■ 235, 174, 0

■ 235, 207, 135

■ 235, 216, 158

■ 235, 220, 182

■ 235, 228, 205

■ 235, 232, 229

■ 235, 241, 252

■ 235, 245, 255

Harmonies

Analogous

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



255, 116, 110



235, 191, 64



82, 192, 38

Triad

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



235, 191, 64



0, 102, 188



159, 147, 255

Complementary

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



235, 191, 64



64, 126, 235

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.



0, 101, 255



235, 191, 64



0, 100, 215

Square

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



235, 191, 64



52, 148, 184



0, 106, 255



228, 123, 220

Rectangle

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



235, 191, 64



45, 170, 59



0, 106, 255



125, 149, 255

Sweetspot

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



235, 191, 64



255, 241, 199



235, 64, 164



128, 118, 94



0, 0, 0



128, 128, 128

Same Dimension

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



235, 191, 64



255, 199, 33



79, 235, 64



117, 115, 106



181, 134, 0



54, 40, 0

Inverse Universe

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



64, 126, 235



33, 114, 255



64, 77, 235



106, 110, 117



0, 66, 181



0, 20, 54

Previews

White Background



This preview shows how the RYB color 235, 191, 64 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 235, 191, 64 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

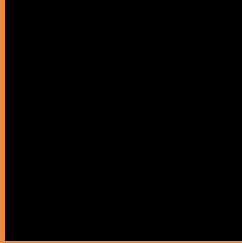
Any Text WCAG AA ✓ Pass

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 235, 191, 64 Background



This preview shows how black text looks on a background with the RYB color 235, 191, 64.



This preview shows how white text looks on a background with the RYB color 235, 191, 64.

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
235, 191, 64

Protanopia
93, 180, 71

Deuteranopia
131, 202, 59



Tritanopia
239, 129, 138

Trichromacy



Original Color

235, 191, 64

Protanomaly

141, 200, 68

Deuteranomaly

177, 214, 61

Tritanomaly

238, 136, 111

Monochromacy



Original Color

235, 191, 64

Achromatopsia

158, 158, 158

Achromatomaly

186, 169, 124

CSS Examples

Text

The CSS property to change the color of the text to RYB 235, 191, 64 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(235, 137, 64)` looks like.

```
.text, #text, p{  
    color:rgb(235, 137, 64)  
}
```

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(235, 137, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 137, 64) }
```

Border

The CSS property to change the border of an element to RYB 235, 191, 64 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(235, 137, 64) }
```

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

```
.border{ border-color:rgb(235, 137, 64) }
```

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

Here you see how a box with a 4 pixel rgb(235, 137, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 137, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 137, 64);  
box-shadow:4px 4px 4px 4px rgb(235, 137,  
64) }
```

Background

The CSS property to change the background color of an element to RGB 235, 137, 64 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 137, 64) }
```

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

```
.background{ background-color: rgb(235,  
137, 64) }
```

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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