

Converting Colors

`RYB(236, 168, 108)`

Have a look what the booklet for
RYB(236, 168, 108) contains.

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Color

R_YB(236, 168, 108)

Conversions

Conversions Part 1

Format	Color
Hex	EC956C
RGB	236, 149, 108
RGB Percent	93%, 58%, 42%
CMY	0.0745, 0.4163, 0.5765
CMYK	0.00, 0.37, 0.54, 0.07
HSL	19°, 77%, 67%
HSV	19°, 54%, 93%
XYZ	48.0227, 40.3634, 19.4472
YIQ	170.3390, 65.0130, 5.6930

Conversions

Conversions Part 2

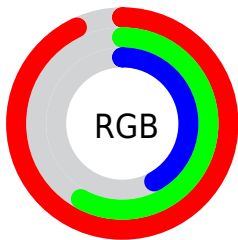
Format	Color
R _Y B	236, 168, 108
Decimal	15504748
CIE Lab	69.73, 28.72, 35.17
CIE LCh	70, 45.410, 50.768
Yxy	40.3634, 0.4453, 0.3743
Android (android.graphics.Color)	4293694828 (0xFFEC956C)
YUV	170.3390, -30.7331, 57.5847
Hunter-Lab	63.5322, 23.7434, 26.3239

Details

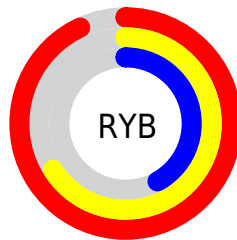
The RYB color **236, 168, 108** is a light color, and the websafe version is hex **FF9966**, and the color name is [sawtooth oak \(akashirotsurubami\)](#). A complement of this color would be **108, 160, 236**, and the grayscale version is **171, 171, 171**.

A 20% lighter version of the original color is **255, 242, 160**, and **176, 115, 59** is the 20% darker color. If you saturate the color by 10%, you get **236, 156, 84**, and if you desaturate by 10%, it is **236, 180, 132**.

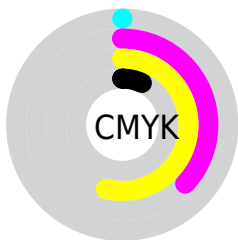
Distribution



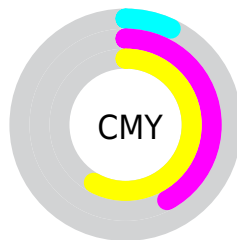
- Red (93%)
- Green (58%)
- Blue (42%)



- Red (93%)
- Yellow (66%)
- Blue (42%)



- Cyan (0%)
- Magenta (37%)
- Yellow (54%)
- Black (7%)




- Cyan (7%)
- Magenta (42%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 236, 168, 108 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 236, 168, 108 by changing the saturation by 10% instead.

 236, 168, 108

 236, 168, 108

255, 255, 255

 206, 142, 83

 255, 242, 160

 176, 115, 59


 222, 255, 187

 147, 91, 37

 215, 255, 215

 119, 67, 14

 244, 255, 244


 91, 34, 0

 63, 1, 0

 41, 0, 1

 0, 0, 0

 236, 168, 108

 236, 168, 108

 236, 156, 84

 236, 180, 132

 236, 143, 61

 236, 193, 155

 236, 131, 37

 236, 205, 179

 236, 118, 14

 236, 218, 202

 236, 110, 0

 236, 230, 226

 236, 241, 250

 236, 246, 255

Harmonies

Analogous

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



249, 138, 143



236, 168, 108



155, 207, 88

Triad

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



236, 168, 108



52, 132, 191



154, 163, 247

Complementary

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



236, 168, 108



108, 160, 236

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.



72, 139, 251



236, 168, 108



0, 97, 198

Square

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



236, 168, 108



117, 186, 184



0, 104, 233



209, 149, 223

Rectangle

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



236, 168, 108



96, 181, 87



0, 104, 233



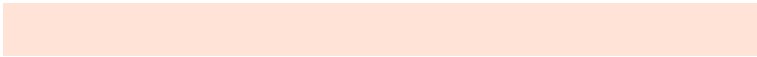
131, 160, 251

Sweetspot

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



236, 168, 108



255, 233, 214



236, 108, 195



128, 115, 103



0, 0, 0



128, 128, 128

Same Dimension

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



236, 168, 108



255, 167, 89



136, 236, 108



117, 110, 106



181, 85, 0



54, 25, 0

Inverse Universe

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



108, 160, 236



89, 156, 255



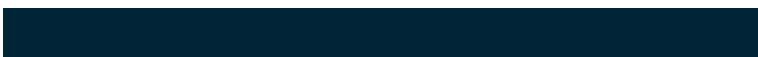
108, 127, 236



106, 111, 117



0, 73, 181



0, 22, 54

Previews

White Background



This preview shows how the RYB color 236, 168, 108 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 236, 168, 108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

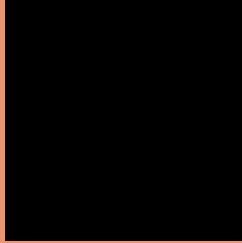
Any Text WCAG AA ✓ Pass

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 236, 168, 108 Background



This preview shows how black text looks on a background with the RYB color 236, 168, 108.



This preview shows how white text looks on a background with the RYB color 236, 168, 108.

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
236, 168, 108

Protanopia
135, 185, 117

Deuteranopia
182, 207, 105



Tritanopia
239, 143, 153

Trichromacy



Original Color

236, 168, 108



Protanomaly

189, 204, 114



Deuteranomaly

218, 203, 106



Tritanomaly

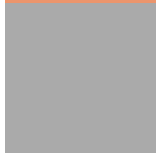
238, 146, 137

Monochromacy



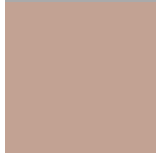
Original Color

236, 168, 108



Achromatopsia

170, 170, 170



Achromatomaly

194, 169, 147

CSS Examples

Text

The CSS property to change the color of the text to RYB 236, 168, 108 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(236, 149, 108)` looks like.

```
.text, #text, p{  
    color:rgb(236, 149, 108)  
}
```

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(236, 149, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 149, 108) }
```

Border

The CSS property to change the border of an element to RYB 236, 168, 108 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(236, 149, 108) }
```

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

```
.border{ border-color:rgb(236, 149, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 149, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 149, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 149, 108);  
box-shadow:4px 4px 4px 4px rgb(236, 149,  
108) }
```

Background

The CSS property to change the background color of an element to RYB 236, 168, 108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 149, 108) }
```

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

```
.background{ background-color: rgb(236,  
149, 108) }
```

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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