

# Converting Colors

$Y_{xy}(34.8065, 0.4938, 0.4069)$

Have a look what the booklet for  
Yxy(34.8065, 0.4938, 0.4069)  
contains.

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# Color

**Yxy(34.7368, 0.4940, 0.4067)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6883A
RGB	230, 136, 58
RGB Percent	90%, 53%, 23%
CMY	0.0982, 0.4666, 0.7726
CMYK	0.00, 0.41, 0.75, 0.10
HSL	27°, 77%, 56%
HSV	27°, 75%, 90%
XYZ	42.1932, 34.7368, 8.4813
YIQ	155.2140, 81.0620, -4.3300

# Conversions

## Conversions Part 2

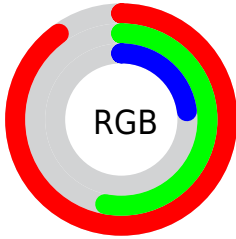
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 201, 58
Decimal	15108154
CIE Lab	65.54, 29.94, 55.18
CIE LCh	66, 62.778, 61.514
Yxy	34.7368, 0.4940, 0.4067
Android (android.graphics.Color)	4293298234 (0xFFE6883A)
YUV	155.2140, -47.9265, 65.5873
Hunter-Lab	58.9379, 24.6454, 32.7245

# Details

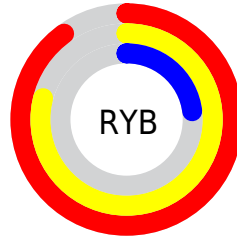
The Yxy color **34.7368, 0.4940, 0.4067** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **29.0425, 0.2013, 0.2147**, and the grayscale version is **33.0688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2127, 0.4321, 0.4096**, and **14.9320, 0.5389, 0.4103** is the 20% darker color. If you saturate the color by 10%, you get **31.2204, 0.5218, 0.4066**, and if you desaturate by 10%, it is **38.7760, 0.4643, 0.4019**.

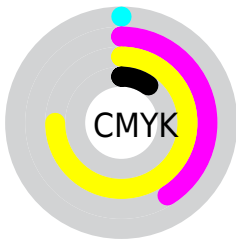
# Distribution



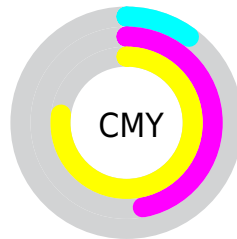
- Red (90%)
- Green (53%)
- Blue (23%)



- Red (90%)
- Yellow (79%)
- Blue (23%)



- Cyan (0%)
- Magenta (41%)
- Yellow (75%)
- Black (10%)



- Cyan (10%)
- Magenta (47%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7368, 0.4940, 0.4067 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 Yxy color 34.7368, 0.4940, 0.4067 by changing the saturation by 10% instead.





 34.7368, 0.4940,  
0.4067


 34.7368, 0.4940,  
0.4067


323.4051, 0.4030,  
0.3764


 23.4602, 0.5146,  
0.4100


 67.0778, 0.4620,  
0.3986

 14.9337, 0.5390,  
0.4115


 88.9110, 0.4496,  
0.3946

 8.7729, 0.5698,  
0.4103


 115.0319, 0.4389,  
0.3909

 4.5933, 0.6018,  
0.3982

 145.8249, 0.4297,  
0.3875

 2.0107, 0.6333,  
0.3667

 181.6742, 0.4217,  
0.3843

 0.6137, 0.6965,  
0.3035

 222.9645, 0.4147,

 0.0000, 1.0000,

0.3814

0.0000

270.0799, 0.4085,  
0.3788

■ 0.0000, 0.0000,  
0.0000

■ 34.7368, 0.4940,  
0.4067

■ 34.7368, 0.4940,  
0.4067

■ 31.2204, 0.5218,  
0.4066

■ 38.7760, 0.4643,  
0.4019

■ 28.1920, 0.5455,  
0.4009


■ 43.3584, 0.4346,  
0.3935


■ 26.7899, 0.5564,  
0.3964


■ 48.5095, 0.4065,  
0.3827

■ 54.2510, 0.3808,  
0.3706

■ 60.6034, 0.3579,  
0.3582

 67.5861, 0.3378,  
0.3460

 75.2174, 0.3202,  
0.3343

 83.5149, 0.3051,  
0.3234

 91.8374, 0.2975,  
0.3230

# Harmonies

## Analogous

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



34.7368, 0.4938, 0.3396



34.7368, 0.4940, 0.4067



34.7368, 0.4416, 0.4713

# Triad

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



34.7368, 0.4940, 0.4067



34.7368, 0.1985, 0.3767



34.7368, 0.2432, 0.1958

# Complementary

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



34.7368, 0.4940, 0.4067



29.0425, 0.2013, 0.2147

# 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.



34.7368, 0.1833, 0.1902



34.7368, 0.4940, 0.4067



34.7368, 0.1599, 0.2761

# Square

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



34.7368, 0.4940, 0.4067



34.7368, 0.2711, 0.4761



34.7368, 0.1559, 0.2143



34.7368, 0.3334, 0.2265



# Rectangle

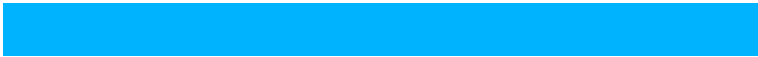
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.7368, 0.4940, 0.4067



34.7368, 0.3892, 0.5017



34.7368, 0.1559, 0.2143



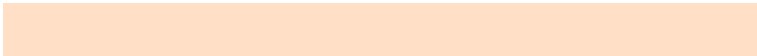
34.7368, 0.2195, 0.1909

# Sweetspot

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



34.7386, 0.4940, 0.4067



78.8823, 0.3523, 0.3549



22.1279, 0.4235, 0.2351



16.3862, 0.3580, 0.3583



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



34.7386, 0.4940, 0.4067



37.2026, 0.5360, 0.4040



69.0310, 0.4162, 0.4842



15.4398, 0.3281, 0.3397



15.4090, 0.5538, 0.3985



1.3223, 0.5293, 0.4180

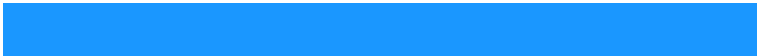


# Inverse Universe

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



29.0425, 0.2013, 0.2147



29.5206, 0.1870, 0.1871



10.5751, 0.1723, 0.1012



15.1854, 0.2981, 0.3181



11.8767, 0.1816, 0.1739



1.0628, 0.1885, 0.1984



# Previews

## White Background



This preview shows how the Yxy color 34.7368, 0.4940, 0.4067 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 Yxy color 34.7368, 0.4940, 0.4067 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](#).

**Yxy 34.7368, 0.4940, 0.4067**

## Background



This preview shows how black text looks on a background with the Yxy color 34.7368, 0.4940, 0.4067.



This preview shows how white text looks on a background with the Yxy color 34.7368, 0.4940, 0.4067.

# 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

34.7368, 0.4940, 0.4067

### Protanopia

34.9882, 0.4144, 0.4547

### Deuteranopia

34.9929, 0.4522, 0.4434



## Tritanopia

34.7369, 0.4242, 0.3192

# Trichromacy



## Original Color

34.7368, 0.4940, 0.4067

## Protanomaly

34.3513, 0.4445, 0.4367

## Deuteranomaly

34.6825, 0.4681, 0.4291

## Tritanomaly

34.6389, 0.4552, 0.3549

# Monochromacy



## Original Color

34.7368, 0.4940, 0.4067

## Achromatopsia

32.7778, 0.3127, 0.3290

## Achromatomaly

32.4810, 0.3779, 0.3689

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.7368, 0.4940, 0.4067 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(230, 136, 58)` looks like.

```
.text, #text, p{  
    color:rgb(230, 136, 58)  
}
```

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(230, 136, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 136, 58) }
```

## Border

The CSS property to change the border of an element to Yxy 34.7368, 0.4940, 0.4067 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(230, 136, 58) }
```

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

```
.border{ border-color:rgb(230, 136, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 136, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 136, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 136, 58);  
box-shadow:4px 4px 4px 4px rgb(230, 136,  
58) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.7368, 0.4940, 0.4067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 136, 58) }
```

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

```
.background{ background-color: rgb(230,  
136, 58) }
```

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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