

# Converting Colors

$Y_{xy}(39.1374, 0.4769, 0.4071)$

Have a look what the booklet for  
Yxy(39.1374, 0.4769, 0.4071)  
contains.

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# Color

**Yxy(39.2969, 0.4770, 0.4076)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB9447
RGB	235, 148, 71
RGB Percent	92%, 58%, 28%
CMY	0.0784, 0.4196, 0.7215
CMYK	0.00, 0.37, 0.70, 0.08
HSL	28°, 80%, 60%
HSV	28°, 70%, 92%
XYZ	45.9878, 39.2969, 11.1258
YIQ	165.2350, 76.5690, -5.5030

# Conversions

## Conversions Part 2

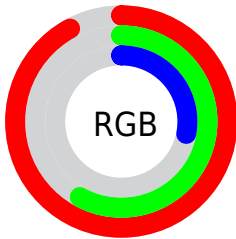
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	235, 216, 71
Decimal	15438919
CIE <sub>Lab</sub>	68.97, 26.30, 52.99
CIE <sub>LCh</sub>	69, 59.157, 63.607
Yxy	39.2969, 0.4770, 0.4076
Android (android.graphics.Color)	4293628999 (0xFFEB9447)
YUV	165.2350, -46.4579, 61.1839
Hunter-Lab	62.6872, 21.2461, 33.3582

# Details

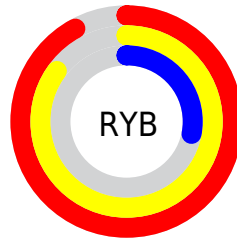
The Yxy color **39.2969, 0.4770, 0.4076** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **31.7953, 0.2060, 0.2196**, and the grayscale version is **37.9477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9311, 0.4156, 0.4092**, and **17.5917, 0.5169, 0.4164** is the 20% darker color. If you saturate the color by 10%, you get **35.3503, 0.5052, 0.4103**, and if you desaturate by 10%, it is **43.7854, 0.4478, 0.4005**.

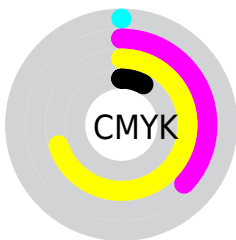
# Distribution



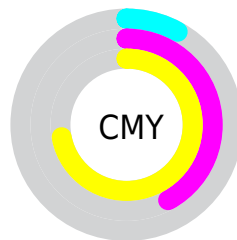
- Red (92%)
- Green (58%)
- Blue (28%)



- Red (92%)
- Yellow (85%)
- Blue (28%)



- Cyan (0%)
- Magenta (37%)
- Yellow (70%)
- Black (8%)




- Cyan (8%)
- Magenta (42%)
- Yellow (72%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.2969, 0.4770, 0.4076 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 39.2969, 0.4770, 0.4076 by changing the saturation by 10% instead.





 39.2969, 0.4770,  
0.4076


 39.2969, 0.4770,  
0.4076


343.1511, 0.3955,  
0.3755

 26.9908, 0.4955,  
0.4123


 74.0917, 0.4484,  
0.3982

 17.5663, 0.5177,  
0.4161


 97.3491, 0.4373,  
0.3940


 10.6391, 0.5438,  
0.4172


 125.0257, 0.4278,  
0.3901

 5.8247, 0.5820,  
0.4180

 157.5060, 0.4195,  
0.3866

 2.7388, 0.6063,  
0.3937

 195.1743, 0.4124,  
0.3834

 0.9969, 0.6468,  
0.3532

238.4150, 0.4061,

 0.0000, 1.0000,

0.3805

0.0000

287.6125, 0.4005,  
0.3779

0.0000, 0.0000,  
0.0000

39.2969, 0.4770,  
0.4076

39.2969, 0.4770,  
0.4076

35.3503, 0.5052,  
0.4103

43.7854, 0.4478,  
0.4005

31.9120, 0.5305,  
0.4077

48.8344, 0.4194,  
0.3903


28.9462, 0.5515,  
0.4001


54.4686, 0.3928,  
0.3784


28.8848, 0.5520,  
0.3999


60.7093, 0.3687,  
0.3657

67.5761, 0.3474,  
0.3529

 75.0880, 0.3287,  
0.3405

 83.2628, 0.3124,  
0.3287

 91.8563, 0.3005,  
0.3218

 96.4014, 0.3005,  
0.3290

# Harmonies

## Analogous

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



39.2969, 0.4790, 0.3451



39.2969, 0.4770, 0.4076



39.2969, 0.4281, 0.4644

# Triad

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



39.2969, 0.4770, 0.4076



39.2969, 0.2051, 0.3656



39.2969, 0.2546, 0.2072

# Complementary

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



39.2969, 0.4770, 0.4076



31.7953, 0.2060, 0.2196

# 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.



39.2969, 0.1965, 0.2005



39.2969, 0.4770, 0.4076



39.2969, 0.1707, 0.2770

# Square

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



39.2969, 0.4770, 0.4076



39.2969, 0.2708, 0.4553



39.2969, 0.1686, 0.2218



39.2969, 0.3384, 0.2374



# Rectangle

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



39.2969, 0.4770, 0.4076



39.2969, 0.3794, 0.4878



39.2969, 0.1686, 0.2218



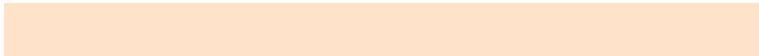
39.2969, 0.2319, 0.2021

# Sweetspot

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



39.2989, 0.4770, 0.4076



80.2134, 0.3500, 0.3545



24.6557, 0.4170, 0.2407



16.6678, 0.3558, 0.3581



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.



39.2989, 0.4770, 0.4076



40.5770, 0.5173, 0.4098



74.4489, 0.4101, 0.4803



16.2202, 0.3281, 0.3401



16.3273, 0.5494, 0.4020



1.4732, 0.5268, 0.4199



# Inverse Universe

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



31.7953, 0.2060, 0.2196



30.9416, 0.1906, 0.1928



12.5747, 0.1793, 0.1115



15.8720, 0.2981, 0.3177



11.7125, 0.1801, 0.1683



1.1121, 0.1867, 0.1922



# Previews

## White Background



This preview shows how the Yxy color 39.2969, 0.4770, 0.4076 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 39.2969, 0.4770, 0.4076 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 39.2969, 0.4770, 0.4076**

## Background



This preview shows how black text looks on a background with the Yxy color 39.2969, 0.4770, 0.4076.



This preview shows how white text looks on a background with the Yxy color 39.2969, 0.4770, 0.4076.

# 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

39.2969, 0.4770, 0.4076

### Protanopia

39.4766, 0.4082, 0.4474

### Deuteranopia

39.2606, 0.4447, 0.4344



## Tritanopia

39.1925, 0.4099, 0.3171

# Trichromacy



## Original Color

39.2969, 0.4770, 0.4076

## Protanomaly

38.8351, 0.4331, 0.4322

## Deuteranomaly

39.2667, 0.4563, 0.4248

## Tritanomaly

38.9036, 0.4385, 0.3526

# Monochromacy



## Original Color

39.2969, 0.4770, 0.4076

## Achromatopsia

37.6262, 0.3127, 0.3290

## Achromatomaly

37.3821, 0.3706, 0.3672

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.2969, 0.4770, 0.4076 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, 148, 71)` looks like.

```
.text, #text, p{  
    color:rgb(235, 148, 71)  
}
```

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, 148, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 148, 71) }
```

## Border

The CSS property to change the border of an element to Yxy 39.2969, 0.4770, 0.4076 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, 148, 71) }
```

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

```
.border{ border-color:rgb(235, 148, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 148, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 148, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 148, 71);  
box-shadow:4px 4px 4px 4px rgb(235, 148,  
71) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.2969, 0.4770, 0.4076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 148, 71) }
```

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

```
.background{ background-color: rgb(235,  
148, 71) }
```

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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