

# Converting Colors

Yxy(38.8436, 0.4714, 0.4056)

Have a look what the booklet for  
Yxy(38.8436, 0.4714, 0.4056)  
contains.

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# Color

**Yxy(38.8436, 0.4714, 0.4056)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8944B
RGB	232, 148, 75
RGB Percent	91%, 58%, 29%
CMY	0.0901, 0.4196, 0.7058
CMYK	0.00, 0.36, 0.68, 0.09
HSL	28°, 77%, 60%
HSV	28°, 68%, 91%
XYZ	45.1452, 38.8436, 11.7795
YIQ	164.7940, 73.4970, -4.8950

# Conversions

## Conversions Part 2

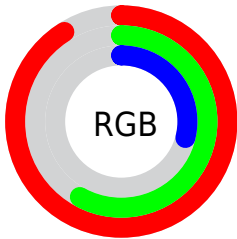
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 211, 75
Decimal	15242315
CIE <sub>Lab</sub>	68.64, 25.30, 50.63
CIE <sub>LCh</sub>	69, 56.598, 63.450
Yxy	38.8436, 0.4714, 0.4056
Android (android.graphics.Color)	4293432395 (0xFFE8944B)
YUV	164.7940, -44.2684, 58.9397
Hunter-Lab	62.3246, 20.2292, 32.4213

# Details

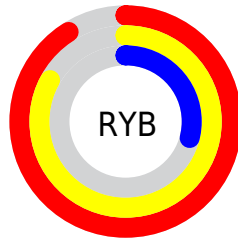
The Yxy color **38.8436, 0.4714, 0.4056** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **32.1413, 0.2089, 0.2247**, and the grayscale version is **37.7149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0074, 0.4135, 0.4065**, and **17.3860, 0.5117, 0.4147** is the 20% darker color. If you saturate the color by 10%, you get **34.8945, 0.5002, 0.4093**, and if you desaturate by 10%, it is **43.3305, 0.4420, 0.3978**.

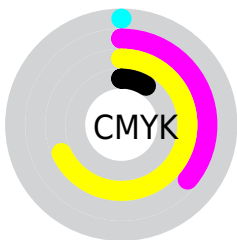
# Distribution



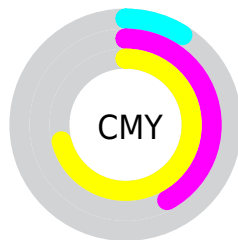
- Red (91%)
- Green (58%)
- Blue (29%)



- Red (91%)
- Yellow (83%)
- Blue (29%)



- Cyan (0%)
- Magenta (36%)
- Yellow (68%)
- Black (9%)




- Cyan (9%)
- Magenta (42%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.8436, 0.4714, 0.4056 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 38.8436, 0.4714, 0.4056 by changing the saturation by 10% instead.





 38.8436, 0.4714,  
0.4056


 38.8436, 0.4714,  
0.4056


341.2251, 0.3922,  
0.3736

 26.6381, 0.4897,  
0.4105


 73.3993, 0.4434,  
0.3961


 17.3016, 0.5118,  
0.4148


 96.5183, 0.4326,  
0.3918

 10.4498, 0.5382,  
0.4169


 124.0440, 0.4233,  
0.3880

 5.6982, 0.5793,  
0.4207

 156.3606, 0.4154,  
0.3845

 2.6624, 0.6032,  
0.3968

 193.8526, 0.4084,  
0.3814

 0.9581, 0.6434,  
0.3566

236.9044, 0.4023,

 0.0000, 1.0000,

0.3785

0.0000

285.9005, 0.3970,  
0.3760

0.0000, 0.0000,  
0.0000

38.8436, 0.4714,  
0.4056

38.8436, 0.4714,  
0.4056

34.8945, 0.5002,  
0.4093

43.3305, 0.4420,  
0.3978

31.4509, 0.5265,  
0.4078

48.3730, 0.4138,  
0.3873


28.4829, 0.5485,  
0.4009

53.9952, 0.3876,  
0.3753


27.8498, 0.5533,  
0.3989

60.2176, 0.3640,  
0.3626

67.0594, 0.3432,  
0.3500

 74.5391, 0.3250,  
0.3378

 82.6741, 0.3092,  
0.3264

 91.1120, 0.2987,  
0.3213

 95.8997, 0.2988,  
0.3290

# Harmonies

## Analogous

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



38.8436, 0.4724, 0.3450



38.8436, 0.4714, 0.4056



38.8436, 0.4249, 0.4598

# Triad

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



38.8436, 0.4714, 0.4056



38.8436, 0.2094, 0.3649



38.8436, 0.2565, 0.2109

# Complementary

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



38.8436, 0.4714, 0.4056



32.1413, 0.2089, 0.2247

# 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.



38.8436, 0.2001, 0.2048



38.8436, 0.4714, 0.4056



38.8436, 0.1755, 0.2798

# Square

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



38.8436, 0.4714, 0.4056



38.8436, 0.2732, 0.4500



38.8436, 0.1731, 0.2259



38.8436, 0.3372, 0.2402



# Rectangle

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



38.8436, 0.4714, 0.4056



38.8436, 0.3781, 0.4817



38.8436, 0.1731, 0.2259



38.8436, 0.2345, 0.2061

# Sweetspot

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



38.8456, 0.4714, 0.4056



80.9429, 0.3480, 0.3530



24.7822, 0.4084, 0.2394



16.8071, 0.3538, 0.3566



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.



38.8456, 0.4714, 0.4056



41.5587, 0.5105, 0.4094



71.0729, 0.4098, 0.4755



15.4666, 0.3281, 0.3400



15.7044, 0.5506, 0.4010



1.3449, 0.5266, 0.4201



# Inverse Universe

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



32.1413, 0.2089, 0.2247



32.6574, 0.1937, 0.1996



13.4924, 0.1837, 0.1205



15.1584, 0.2981, 0.3178



11.5168, 0.1806, 0.1701



1.0366, 0.1875, 0.1951



# Previews

## White Background



This preview shows how the Yxy color 38.8436, 0.4714, 0.4056 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 38.8436, 0.4714, 0.4056 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 38.8436, 0.4714, 0.4056**

## **Background**



This preview shows how black text looks on a background with the Yxy color 38.8436, 0.4714, 0.4056.



This preview shows how white text looks on a background with the Yxy color 38.8436, 0.4714, 0.4056.

# 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

38.8436, 0.4714, 0.4056

### Protanopia

39.0384, 0.4051, 0.4426

### Deuteranopia

39.0194, 0.4400, 0.4319



## Tritanopia

38.9627, 0.4065, 0.3180

# Trichromacy



**Original Color**

38.8436, 0.4714, 0.4056

**Protanomaly**

38.7508, 0.4292, 0.4288

**Deuteranomaly**

39.0097, 0.4516, 0.4224

**Tritanomaly**

38.7371, 0.4329, 0.3518

# Monochromacy



**Original Color**

38.8436, 0.4714, 0.4056

**Achromatopsia**

37.6262, 0.3127, 0.3290

**Achromatomaly**

37.2810, 0.3686, 0.3659

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.8436, 0.4714, 0.4056 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(232, 148, 75)` looks like.

```
.text, #text, p{  
    color:rgb(232, 148, 75)  
}
```

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(232, 148, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 148, 75) }
```

## Border

The CSS property to change the border of an element to Yxy 38.8436, 0.4714, 0.4056 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(232, 148, 75) }
```

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

```
.border{ border-color:rgb(232, 148, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 148, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 148, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 148, 75);  
box-shadow:4px 4px 4px 4px rgb(232, 148,  
75) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.8436, 0.4714, 0.4056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 148, 75) }
```

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

```
.background{ background-color: rgb(232,  
148, 75) }
```

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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