

# Converting Colors

$Yxy(48.3845, 0.4257, 0.3873)$

Have a look what the booklet for  
Yxy(48.3845, 0.4257, 0.3873)  
contains.

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# Color

**Yxy(48.3845, 0.4257, 0.3873)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFAA75
RGB	239, 170, 117
RGB Percent	94%, 67%, 46%
CMY	0.0627, 0.3333, 0.5412
CMYK	0.00, 0.29, 0.51, 0.06
HSL	26°, 79%, 70%
HSV	26°, 51%, 94%
XYZ	53.1817, 48.3845, 23.3615
YIQ	184.5890, 58.1370, -1.8550

# Conversions

## Conversions Part 2

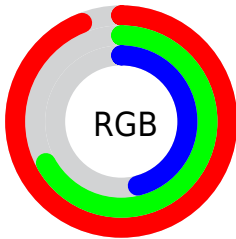
Format	Color
R <sub>Y</sub> B	239, 211, 117
Decimal	15706741
CIE Lab	75.07, 19.48, 37.28
CIE LCh	75, 42.064, 62.406
Yxy	48.3845, 0.4257, 0.3873
Android (android.graphics.Color)	4293896821 (0xFFEFAA75)
YUV	184.5890, -33.3214, 47.7184
Hunter-Lab	69.5590, 14.7450, 28.7786

# Details

The Yxy color **48.3845, 0.4257, 0.3873** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **45.1230, 0.2328, 0.2596**, and the grayscale version is **48.4406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0127, 0.3724, 0.3852**, and **23.0654, 0.4556, 0.3994** is the 20% darker color. If you saturate the color by 10%, you get **43.0851, 0.4558, 0.3963**, and if you desaturate by 10%, it is **54.3530, 0.3977, 0.3764**.

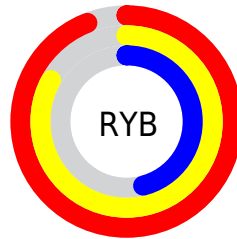
# Distribution



Red (94%)

Green (67%)

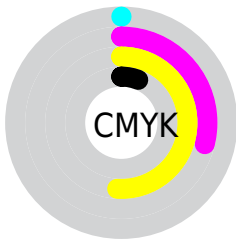
Blue (46%)



Red (94%)

Yellow (83%)

Blue (46%)

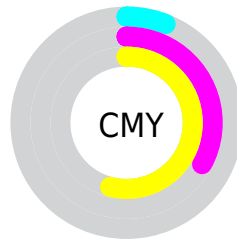


Cyan (0%)

Magenta (29%)

Yellow (51%)

Black (6%)



Cyan (6%)

Magenta (33%)


Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3845, 0.4257, 0.3873 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 48.3845, 0.4257, 0.3873 by changing the saturation by 10% instead.



 48.3845, 0.4257,  
0.3873

 48.3845, 0.4257,  
0.3873


380.3142, 0.3699,  
0.3614


 34.1315, 0.4390,  
0.3925


 87.7766, 0.4058,  
0.3788

 22.9946, 0.4556,  
0.3984


 113.6845, 0.3982,  
0.3753

 14.5895, 0.4766,  
0.4047

 144.2461, 0.3917,  
0.3723

 8.5318, 0.5035,  
0.4107

179.8459, 0.3861,  
0.3696

 4.4371, 0.5431,  
0.4178

220.8682, 0.3813,  
0.3672

 1.9209, 0.5882,  
0.4118

267.6974, 0.3770,

 0.5609, 0.6452,

0.3651

0.3548

320.7179, 0.3732,  
0.3631

0.0000, 0.0000,  
0.0000

48.3845, 0.4257,  
0.3873

48.3845, 0.4257,  
0.3873

43.0851, 0.4558,  
0.3963

54.3530, 0.3977,  
0.3764

38.4210, 0.4866,  
0.4021

61.0085, 0.3726,  
0.3646

34.3653, 0.5164,  
0.4034

68.3769, 0.3504,  
0.3527

30.8853, 0.5427,  
0.3994

76.4803, 0.3310,  
0.3411

28.2222, 0.5624,  
0.3916

85.3399, 0.3143,  
0.3301

■ 94.6241, 0.3030,  
0.3251

■ 97.0908, 0.3029,  
0.3290

# Harmonies

## Analogous

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



48.3845, 0.4226, 0.3429



48.3845, 0.4257, 0.3873



48.3845, 0.3964, 0.4228

# Triad

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



48.3845, 0.4257, 0.3873



48.3845, 0.2414, 0.3568



48.3845, 0.2720, 0.2421

# Complementary

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



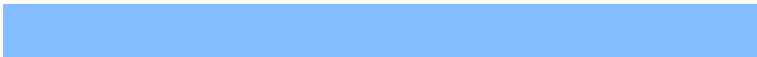
48.3845, 0.4257, 0.3873



45.1230, 0.2328, 0.2596

# 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.



48.3845, 0.2304, 0.2392



48.3845, 0.4257, 0.3873



48.3845, 0.2139, 0.2991

# Square

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



48.3845, 0.4257, 0.3873



48.3845, 0.2892, 0.4105



48.3845, 0.2103, 0.2578



48.3845, 0.3289, 0.2635



# Rectangle

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



48.3845, 0.4257, 0.3873



48.3845, 0.3643, 0.4343



48.3845, 0.2103, 0.2578



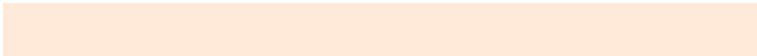
48.3845, 0.2560, 0.2389

# Sweetspot

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



48.3869, 0.4257, 0.3873



84.7449, 0.3384, 0.3456



34.6211, 0.3738, 0.2546



17.7141, 0.3425, 0.3481



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.



48.3869, 0.4257, 0.3873



49.8224, 0.4563, 0.3964



76.7118, 0.3912, 0.4456



16.8887, 0.3282, 0.3393



15.8463, 0.5597, 0.3938



1.5126, 0.5368, 0.4120



# Inverse Universe

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



45.1230, 0.2328, 0.2596



45.6119, 0.2187, 0.2427



24.7112, 0.2165, 0.1767



16.7121, 0.2980, 0.3185



13.3081, 0.1834, 0.1802



1.3046, 0.1893, 0.2016



# Previews

## White Background



This preview shows how the Yxy color 48.3845, 0.4257, 0.3873 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

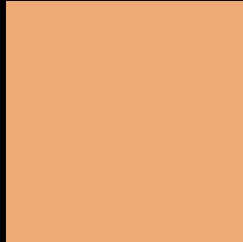
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.3845, 0.4257, 0.3873 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

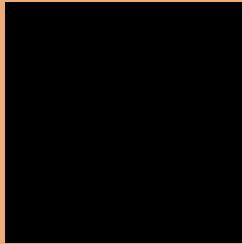
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.3845, 0.4257, 0.3873**

## Background



This preview shows how black text looks on a background with the Yxy color 48.3845, 0.4257, 0.3873.



This preview shows how white text looks on a background with the Yxy color 48.3845, 0.4257, 0.3873.

# 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

48.3845, 0.4257, 0.3873

### Protanopia

48.5455, 0.3773, 0.4069

### Deuteranopia

48.5525, 0.4085, 0.3998



## Tritanopia

48.5226, 0.3787, 0.3161

# Trichromacy



**Original Color**

48.3845, 0.4257, 0.3873

**Protanomaly**

48.4701, 0.3944, 0.3999

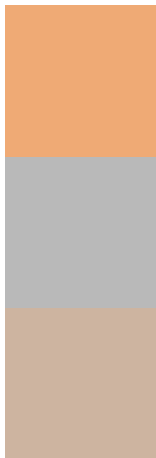
**Deuteranomaly**

48.1911, 0.4149, 0.3952

**Tritanomaly**

48.4828, 0.3963, 0.3425

# Monochromacy



**Original Color**

48.3845, 0.4257, 0.3873

**Achromatopsia**

48.5150, 0.3127, 0.3290

**Achromatomaly**

48.1597, 0.3517, 0.3540

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.3845, 0.4257, 0.3873 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(239, 170, 117)` looks like.

```
.text, #text, p{  
    color:rgb(239, 170, 117)  
}
```

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(239, 170, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 170, 117) }
```

## Border

The CSS property to change the border of an element to Yxy 48.3845, 0.4257, 0.3873 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(239, 170, 117) }
```

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

```
.border{ border-color:rgb(239, 170, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 170, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 170, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 170, 117);  
box-shadow:4px 4px 4px 4px rgb(239, 170,  
117) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.3845, 0.4257, 0.3873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 170, 117) }
```

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

```
.background{ background-color: rgb(239,  
170, 117) }
```

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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