

# Converting Colors

$Y_{xy}(49.1215, 0.4245, 0.4034)$

Have a look what the booklet for  
Yxy(49.1215, 0.4245, 0.4034)  
contains.

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# Color

**Yxy(49.0663, 0.4245, 0.4034)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9AF6C
RGB	233, 175, 108
RGB Percent	91%, 69%, 42%
CMY	0.0864, 0.3136, 0.5765
CMYK	0.00, 0.25, 0.54, 0.09
HSL	32°, 74%, 67%
HSV	32°, 54%, 91%
XYZ	51.6327, 49.0663, 20.9328
YIQ	184.7040, 56.0750, -8.5410

# Conversions

## Conversions Part 2

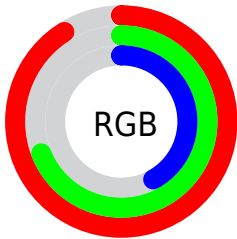
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 233, 108
Decimal	15314796
CIE Lab	75.49, 13.61, 42.32
CIE LCh	75, 44.450, 72.171
Yxy	49.0663, 0.4245, 0.4034
Android (android.graphics.Color)	4293504876 (0xFFE9AF6C)
YUV	184.7040, -37.8151, 42.3556
Hunter-Lab	70.0473, 8.9916, 31.3150

# Details

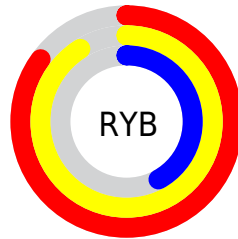
The Yxy color **49.0663, 0.4245, 0.4034** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.3176, 0.2254, 0.2372**, and the grayscale version is **48.5333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9850, 0.3764, 0.3998**, and **23.4701, 0.4521, 0.4193** is the 20% darker color. If you saturate the color by 10%, you get **44.5986, 0.4506, 0.4140**, and if you desaturate by 10%, it is **54.0076, 0.3993, 0.3904**.

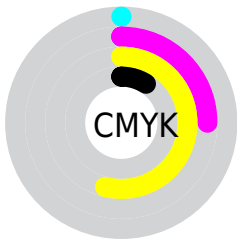
# Distribution



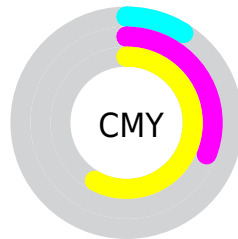
- Red (91%)
- Green (69%)
- Blue (42%)



- Red (85%)
- Yellow (91%)
- Blue (42%)



- Cyan (0%)
- Magenta (25%)
- Yellow (54%)
- Black (9%)




- Cyan (9%)
- Magenta (31%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0663, 0.4245, 0.4034 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 49.0663, 0.4245, 0.4034 by changing the saturation by 10% instead.





 49.0663, 0.4245,  
0.4034


 49.0663, 0.4245,  
0.4034


383.0033, 0.3700,  
0.3697


 34.6721, 0.4371,  
0.4104


 88.7899, 0.4053,  
0.3922


 23.4104, 0.4527,  
0.4183


 114.8881, 0.3979,  
0.3876

 14.8968, 0.4719,  
0.4272


 145.6564, 0.3916,  
0.3837

 8.7470, 0.4957,  
0.4362

 181.4792, 0.3861,  
0.3802

 4.5765, 0.5361,  
0.4526

222.7409, 0.3813,  
0.3771

 2.0010, 0.5587,  
0.4413

269.8259, 0.3771,

 0.6081, 0.6000,

0.3743

0.4000

323.1185, 0.3734,  
0.3719

0.0000, 0.0000,  
0.0000

49.0663, 0.4245,  
0.4034

49.0663, 0.4245,  
0.4034

44.5986, 0.4506,  
0.4140

54.0076, 0.3993,  
0.3904

40.5788, 0.4764,  
0.4211

59.4327, 0.3758,  
0.3763

36.9886, 0.5003,  
0.4233

65.3598, 0.3544,  
0.3617

33.8044, 0.5208,  
0.4201

71.8042, 0.3353,  
0.3474

31.9733, 0.5321,  
0.4157

78.7802, 0.3184,  
0.3338

■ 86.3015, 0.3035,  
0.3210

■ 93.3028, 0.2993,  
0.3246

■ 96.0582, 0.2993,  
0.3290

# Harmonies

## Analogous

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



49.0663, 0.4334, 0.3585



49.0663, 0.4245, 0.4034



49.0663, 0.3847, 0.4351

# Triad

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



49.0663, 0.4245, 0.4034



49.0663, 0.2259, 0.3373



49.0663, 0.2881, 0.2435

# Complementary

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



49.0663, 0.4245, 0.4034



36.3176, 0.2254, 0.2372

# 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.



49.0663, 0.2383, 0.2337



49.0663, 0.4245, 0.4034



49.0663, 0.2054, 0.2807

# Square

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



49.0663, 0.4245, 0.4034



49.0663, 0.2697, 0.3989



49.0663, 0.2098, 0.2453



49.0663, 0.3501, 0.2713



# Rectangle

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



49.0663, 0.4245, 0.4034



49.0663, 0.3477, 0.4405



49.0663, 0.2098, 0.2453



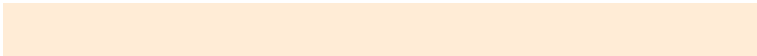
49.0663, 0.2695, 0.2381

# Sweetspot

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



49.0687, 0.4245, 0.4034



86.1640, 0.3397, 0.3509



30.8055, 0.3940, 0.2646



18.0880, 0.3436, 0.3538



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.



49.0687, 0.4245, 0.4034



54.4027, 0.4523, 0.4146



75.9675, 0.3872, 0.4590



16.3922, 0.3279, 0.3416



18.3988, 0.5299, 0.4175



1.6370, 0.5104, 0.4329



# Inverse Universe

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



36.3176, 0.2254, 0.2372



37.2942, 0.2095, 0.2149



20.0588, 0.2118, 0.1588



15.7001, 0.2980, 0.3160



9.6702, 0.1739, 0.1461



0.9501, 0.1812, 0.1723



# Previews

## White Background



This preview shows how the Yxy color 49.0663, 0.4245, 0.4034 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

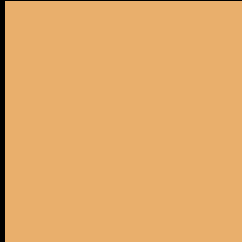
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.0663, 0.4245, 0.4034 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 49.0663, 0.4245, 0.4034**

## Background



This preview shows how black text looks on a background with the Yxy color 49.0663, 0.4245, 0.4034.



This preview shows how white text looks on a background with the Yxy color 49.0663, 0.4245, 0.4034.

# 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

49.0663, 0.4245, 0.4034

### Protanopia

49.1250, 0.3881, 0.4201

### Deuteranopia

49.2332, 0.4179, 0.4094



## Tritanopia

48.8778, 0.3694, 0.3147

# Trichromacy



**Original Color**

49.0663, 0.4245, 0.4034

**Protanomaly**

49.0507, 0.4013, 0.4133

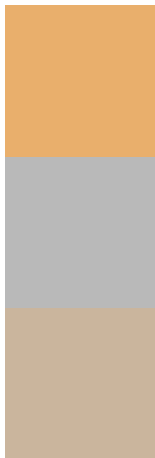
**Deuteranomaly**

49.1638, 0.4204, 0.4077

**Tritanomaly**

48.6804, 0.3914, 0.3473

# Monochromacy



**Original Color**

49.0663, 0.4245, 0.4034

**Achromatopsia**

48.5150, 0.3127, 0.3290

**Achromatomaly**

48.0386, 0.3513, 0.3593

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.0663, 0.4245, 0.4034 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(233, 175, 108)` looks like.

```
.text, #text, p{  
    color:rgb(233, 175, 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(233, 175, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 175, 108) }
```

## Border

The CSS property to change the border of an element to Yxy 49.0663, 0.4245, 0.4034 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(233, 175, 108) }
```

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

```
.border{ border-color:rgb(233, 175, 108) }
```

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

Here you see how a box with a 4 pixel rgb(233, 175, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 175, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 175, 108);  
box-shadow:4px 4px 4px 4px rgb(233, 175,  
108) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.0663, 0.4245, 0.4034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 175, 108) }
```

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

```
.background{ background-color: rgb(233,  
175, 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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