

# Converting Colors

$Yxy(48.9433, 0.4061, 0.3839)$

Have a look what the booklet for  
Yxy(48.9433, 0.4061, 0.3839)  
contains.

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# Color

**Yxy(49.0152, 0.4058, 0.3841)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E6AF7F
RGB	230, 175, 127
RGB Percent	90%, 69%, 50%
CMY	0.0982, 0.3136, 0.5019
CMYK	0.00, 0.24, 0.45, 0.10
HSL	28°, 67%, 70%
HSV	28°, 45%, 90%
XYZ	51.7843, 49.0152, 26.8110
YIQ	185.9730, 48.1880, -3.2680

# Conversions

## Conversions Part 2

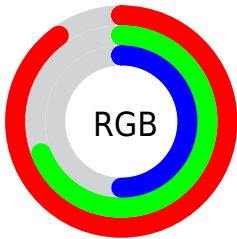
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	230, 217, 127
Decimal	15118207
CIE <sub>Lab</sub>	75.46, 14.15, 32.33
CIE <sub>LCh</sub>	75, 35.293, 66.372
Yxy	49.0152, 0.4058, 0.3841
Android (android.graphics.Color)	4293308287 (0xFFE6AF7F)
YUV	185.9730, -29.0737, 38.6117
Hunter-Lab	70.0109, 9.5106, 26.3022

# Details

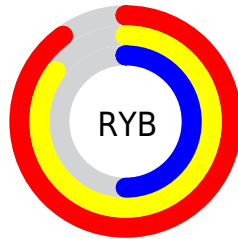
The Yxy color **49.0152, 0.4058, 0.3841** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **43.6547, 0.2415, 0.2653**, and the grayscale version is **49.2328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7071, 0.3637, 0.3807**, and **23.4724, 0.4302, 0.3970** is the 20% darker color. If you saturate the color by 10%, you get **43.9225, 0.4335, 0.3952**, and if you desaturate by 10%, it is **54.6836, 0.3804, 0.3717**.

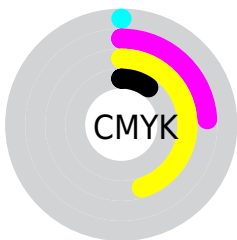
# Distribution



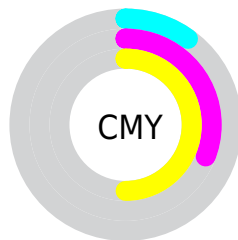
- Red (90%)
- Green (69%)
- Blue (50%)



- Red (90%)
- Yellow (85%)
- Blue (50%)



- Cyan (0%)
- Magenta (24%)
- Yellow (45%)
- Black (10%)




- Cyan (10%)
- Magenta (31%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0152, 0.4058, 0.3841 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 49.0152, 0.4058, 0.3841 by changing the saturation by 10% instead.





 49.0152, 0.4058,  
0.3841


 49.0152, 0.4058,  
0.3841

382.8022, 0.3598,  
0.3587

 34.6315, 0.4169,  
0.3896


 88.7140, 0.3893,  
0.3755

 23.3792, 0.4308,  
0.3961


 114.7980, 0.3830,  
0.3720

 14.8737, 0.4487,  
0.4038


 145.5508, 0.3777,  
0.3691

 8.7308, 0.4721,  
0.4126

181.3570, 0.3731,  
0.3665

 4.5660, 0.5037,  
0.4217

222.6008, 0.3691,  
0.3642

 1.9950, 0.5614,  
0.4386

269.6666, 0.3656,

 0.6045, 0.6041,

0.3621

0.3959

322.9390, 0.3625,  
0.3603

0.0000, 0.0000,  
0.0000

49.0152, 0.4058,  
0.3841

49.0152, 0.4058,  
0.3841

43.9225, 0.4335,  
0.3952

54.6836, 0.3804,  
0.3717

39.3773, 0.4626,  
0.4040

60.9401, 0.3577,  
0.3590

35.3596, 0.4916,  
0.4090

67.8057, 0.3377,  
0.3465

31.8443, 0.5188,  
0.4091

75.2979, 0.3202,  
0.3345

28.8033, 0.5420,  
0.4037

83.4335, 0.3051,  
0.3232

■ 27.3848, 0.5527,  
0.3993

■ 91.5690, 0.2975,  
0.3226

■ 95.5563, 0.2975,  
0.3290

# Harmonies

## Analogous

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



49.0152, 0.4065, 0.3470



49.0152, 0.4058, 0.3841



49.0152, 0.3789, 0.4108

# Triad

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



49.0152, 0.4058, 0.3841



49.0152, 0.2486, 0.3459



49.0152, 0.2846, 0.2564

# Complementary

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



49.0152, 0.4058, 0.3841



43.6547, 0.2415, 0.2653

# 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.



49.0152, 0.2467, 0.2520



49.0152, 0.4058, 0.3841



49.0152, 0.2272, 0.2992

# Square

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



49.0152, 0.4058, 0.3841



49.0152, 0.2876, 0.3911



49.0152, 0.2267, 0.2662



49.0152, 0.3333, 0.2768



# Rectangle

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



49.0152, 0.4058, 0.3841



49.0152, 0.3509, 0.4170



49.0152, 0.2267, 0.2662



49.0152, 0.2703, 0.2530

# Sweetspot

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



49.0176, 0.4058, 0.3841



87.2747, 0.3345, 0.3444



35.4412, 0.3652, 0.2651



18.2471, 0.3386, 0.3471



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.



49.0176, 0.4058, 0.3841



55.8127, 0.4321, 0.3948



72.0974, 0.3813, 0.4341



15.4706, 0.3281, 0.3400



15.7496, 0.5502, 0.4014



1.3483, 0.5262, 0.4204



# Inverse Universe

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



43.6547, 0.2415, 0.2653



48.1867, 0.2271, 0.2487



26.7669, 0.2295, 0.1962



15.1543, 0.2981, 0.3178



11.4634, 0.1804, 0.1695



1.0327, 0.1874, 0.1946



# Previews

## White Background



This preview shows how the Yxy color 49.0152, 0.4058, 0.3841 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

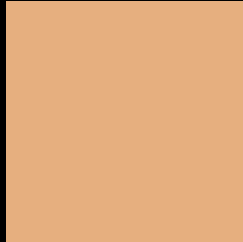
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.0152, 0.4058, 0.3841 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

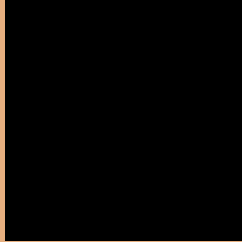
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.0152, 0.4058, 0.3841**

## Background



This preview shows how black text looks on a background with the Yxy color 49.0152, 0.4058, 0.3841.



This preview shows how white text looks on a background with the Yxy color 49.0152, 0.4058, 0.3841.

# 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

49.0152, 0.4058, 0.3841

### Protanopia

49.2013, 0.3697, 0.3970

### Deuteranopia

49.0351, 0.3987, 0.3901



## Tritanopia

49.0036, 0.3633, 0.3145

# Trichromacy



## Original Color

49.0152, 0.4058, 0.3841

## Protanomaly

49.0647, 0.3832, 0.3924

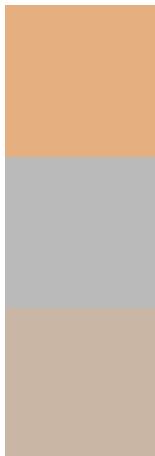
## Deuteranomaly

49.1194, 0.4020, 0.3883

## Tritanomaly

49.0227, 0.3794, 0.3406

# Monochromacy



## Original Color

49.0152, 0.4058, 0.3841

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

48.7291, 0.3442, 0.3504

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.0152, 0.4058, 0.3841 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, 175, 127)` looks like.

```
.text, #text, p{  
    color:rgb(230, 175, 127)  
}
```

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, 175, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 175, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 49.0152, 0.4058, 0.3841 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, 175, 127) }
```

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

```
.border{ border-color:rgb(230, 175, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 175, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 175, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 175, 127);  
box-shadow:4px 4px 4px 4px rgb(230, 175,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.0152, 0.4058, 0.3841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 175, 127) }
```

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

```
.background{ background-color: rgb(230,  
175, 127) }
```

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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