

Converting Colors

$Y_{xy}(49.2385, 0.4049, 0.3834)$

Have a look what the booklet for
Yxy(49.2385, 0.4049, 0.3834)
contains.

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Color

Yxy(49.0415, 0.4050, 0.3830)

Conversions

Conversions Part 1

Format	Color
Hex	E6AF80
RGB	230, 175, 128
RGB Percent	90%, 69%, 50%
CMY	0.0980, 0.3137, 0.4981
CMYK	0.00, 0.24, 0.44, 0.10
HSL	28°, 67%, 70%
HSV	28°, 44%, 90%
XYZ	51.8585, 49.0415, 27.1457
YIQ	186.0870, 47.8670, -2.9570

Conversions

Conversions Part 2

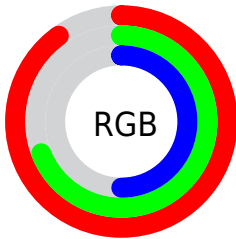
Format	Color
R _Y B	230, 215, 128
Decimal	15118208
CIE Lab	75.48, 14.27, 31.84
CIE LCh	75, 34.894, 65.862
Yxy	49.0415, 0.4050, 0.3830
Android (android.graphics.Color)	4293308288 (0xFFE6AF80)
YUV	186.0870, -28.6369, 38.5117
Hunter-Lab	70.0296, 9.6314, 26.0381

Details

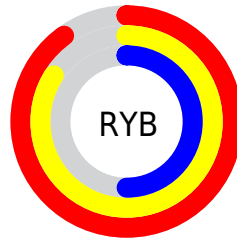
The Yxy color **49.0415, 0.4050, 0.3830** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **44.1552, 0.2423, 0.2667**, and the grayscale version is **49.2979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7480, 0.3630, 0.3797**, and **23.4866, 0.4291, 0.3957** is the 20% darker color. If you saturate the color by 10%, you get **43.8986, 0.4328, 0.3941**, and if you desaturate by 10%, it is **54.7695, 0.3796, 0.3707**.

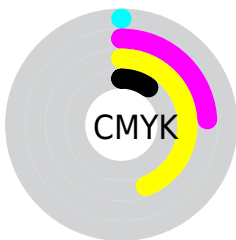
Distribution



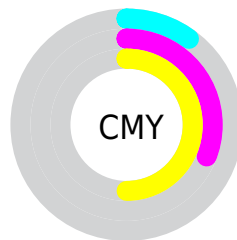
- Red (90%)
- Green (69%)
- Blue (50%)



- Red (90%)
- Yellow (84%)
- Blue (50%)



- Cyan (0%)
- Magenta (24%)
- Yellow (44%)
- Black (10%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0415, 0.4050, 0.3830 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 49.0415, 0.4050, 0.3830 by changing the saturation by 10% instead.


 49.0415, 0.4050,
0.3830

 49.0415, 0.4050,
0.3830


382.9057, 0.3593,
0.3581

 34.6524, 0.4160,
0.3884


 88.7531, 0.3886,
0.3745

 23.3952, 0.4298,
0.3948


 114.8444, 0.3824,
0.3712

 14.8856, 0.4476,
0.4024


 145.6052, 0.3771,
0.3683

 8.7392, 0.4710,
0.4110

181.4199, 0.3726,
0.3657

 4.5714, 0.5025,
0.4199

222.6729, 0.3686,
0.3635

 1.9981, 0.5620,
0.4380

269.7486, 0.3651,

 0.6064, 0.6047,

0.3615

0.3953

323.0314, 0.3621,
0.3597

0.0000, 0.0000,
0.0000

49.0415, 0.4050,
0.3830

49.0415, 0.4050,
0.3830

43.8986, 0.4328,
0.3941

54.7695, 0.3796,
0.3707

39.3124, 0.4621,
0.4028

61.0954, 0.3569,
0.3581

35.2625, 0.4914,
0.4079

68.0405, 0.3369,
0.3458

31.7234, 0.5190,
0.4081

75.6225, 0.3195,
0.3339

28.6667, 0.5426,
0.4029

83.8586, 0.3045,
0.3229

■ 27.1366, 0.5543,
0.3981

■ 92.0379, 0.2975,
0.3234

■ 95.5633, 0.2976,
0.3290

Harmonies

Analogous

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



49.0415, 0.4051, 0.3463



49.0415, 0.4050, 0.3830



49.0415, 0.3788, 0.4096

Triad

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



49.0415, 0.4050, 0.3830



49.0415, 0.2499, 0.3466



49.0415, 0.2842, 0.2569

Complementary

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



49.0415, 0.4050, 0.3830



44.1552, 0.2423, 0.2667

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.



49.0415, 0.2470, 0.2529



49.0415, 0.4050, 0.3830



49.0415, 0.2283, 0.3003

Square

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



49.0415, 0.4050, 0.3830



49.0415, 0.2887, 0.3910



49.0415, 0.2274, 0.2673



49.0415, 0.3322, 0.2769

Rectangle

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



49.0415, 0.4050, 0.3830



49.0415, 0.3513, 0.4160



49.0415, 0.2274, 0.2673



49.0415, 0.2701, 0.2537

Sweetspot

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



49.0439, 0.4050, 0.3830



87.1703, 0.3345, 0.3442



35.7197, 0.3646, 0.2657



18.2214, 0.3387, 0.3469



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.



49.0439, 0.4050, 0.3830



56.1301, 0.4297, 0.3930



72.1778, 0.3807, 0.4332



15.4573, 0.3281, 0.3399



15.6018, 0.5517, 0.4001



1.3370, 0.5275, 0.4194

Inverse Universe

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



44.1552, 0.2423, 0.2667



49.2094, 0.2288, 0.2514



27.0966, 0.2303, 0.1976



15.1677, 0.2981, 0.3179



11.6397, 0.1810, 0.1714



1.0456, 0.1879, 0.1963

Previews

White Background



This preview shows how the Yxy color 49.0415, 0.4050, 0.3830 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 49.0415, 0.4050, 0.3830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

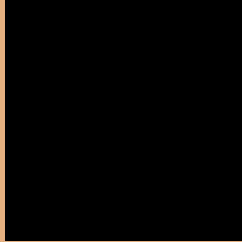
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0415, 0.4050, 0.3830

Background



This preview shows how black text looks on a background with the Yxy color 49.0415, 0.4050, 0.3830.



This preview shows how white text looks on a background with the Yxy color 49.0415, 0.4050, 0.3830.

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

49.0415, 0.4050, 0.3830

Protanopia

49.2288, 0.3689, 0.3958

Deuteranopia

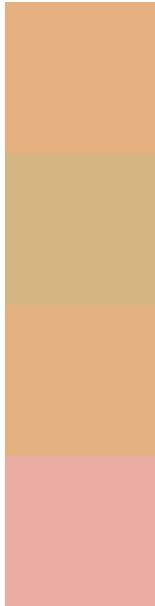
49.0611, 0.3978, 0.3889



Tritanopia

49.0036, 0.3633, 0.3145

Trichromacy



Original Color

49.0415, 0.4050, 0.3830

Protanomaly

49.0916, 0.3823, 0.3912

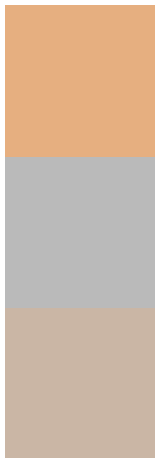
Deuteranomaly

49.1453, 0.4011, 0.3871

Tritanomaly

49.0581, 0.3784, 0.3395

Monochromacy



Original Color

49.0415, 0.4050, 0.3830

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 49.0415, 0.4050, 0.3830 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(230, 175, 128)  
}
```

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, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 175, 128) }
```

Border

The CSS property to change the border of an element to Yxy 49.0415, 0.4050, 0.3830 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, 128) }
```

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

```
.border{ border-color:rgb(230, 175, 128) }
```

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, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 175, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 175, 128);  
box-shadow:4px 4px 4px 4px rgb(230, 175,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0415, 0.4050, 0.3830 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, 128) }
```

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

```
.background{ background-color: rgb(230,  
175, 128) }
```

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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