

Converting Colors

$Y_{xy}(48.9810, 0.4219, 0.3923)$

Have a look what the booklet for
Yxy(48.9810, 0.4219, 0.3923)
contains.

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Color

Yxy(48.9810, 0.4219, 0.3923)

Conversions

Conversions Part 1

Format	Color
Hex	ECAD74
RGB	236, 173, 116
RGB Percent	93%, 68%, 45%
CMY	0.0747, 0.3215, 0.5451
CMYK	0.00, 0.27, 0.51, 0.07
HSL	29°, 76%, 69%
HSV	29°, 51%, 93%
XYZ	52.6767, 48.9810, 23.1982
YIQ	185.3390, 55.8450, -4.3710

Conversions

Conversions Part 2

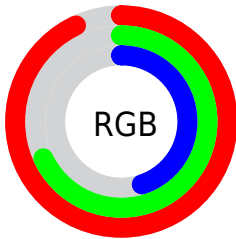
Format	Color
R_{YB}	236, 225, 116
Decimal	15510900
CIE Lab	75.44, 16.57, 38.20
CIE LCh	75, 41.640, 66.552
Yxy	48.9810, 0.4219, 0.3923
Android (android.graphics.Color)	4293700980 (0xFFECAD74)
YUV	185.3390, -34.1841, 44.4297
Hunter-Lab	69.9864, 11.8755, 29.3378

Details

The Yxy color **48.9810, 0.4219, 0.3923** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **41.9749, 0.2318, 0.2531**, and the grayscale version is **48.8853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6114, 0.3721, 0.3890**, and **23.4152, 0.4500, 0.4060** is the 20% darker color. If you saturate the color by 10%, you get **43.9722, 0.4503, 0.4023**, and if you desaturate by 10%, it is **54.5738, 0.3953, 0.3803**.

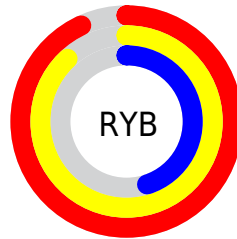
Distribution



Red (93%)

Green (68%)

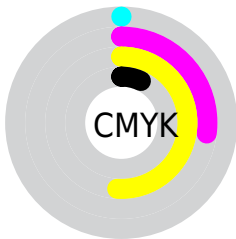
Blue (45%)



Red (93%)

Yellow (88%)

Blue (45%)

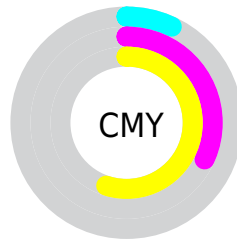


Cyan (0%)

Magenta (27%)

Yellow (51%)

Black (7%)



Cyan (7%)


Magenta (32%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9810, 0.4219, 0.3923 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 48.9810, 0.4219, 0.3923 by changing the saturation by 10% instead.


 48.9810, 0.4219,
0.3923


 48.9810, 0.4219,
0.3923


382.6675, 0.3682,
0.3638


 34.6044, 0.4346,
0.3982


 88.6632, 0.4028,
0.3828

 23.3583, 0.4504,
0.4049


 114.7377, 0.3955,
0.3790

 14.8583, 0.4702,
0.4124


 145.4802, 0.3893,
0.3756

 8.7200, 0.4956,
0.4200

181.2751, 0.3839,
0.3727

 4.5590, 0.5330,
0.4297

222.5070, 0.3792,
0.3701

 1.9909, 0.5733,
0.4267

269.5600, 0.3751,

 0.6022, 0.6204,

0.3678

0.3796

322.8188, 0.3715,
0.3657

0.0000, 0.0000,
0.0000

48.9810, 0.4219,
0.3923

48.9810, 0.4219,
0.3923

43.9722, 0.4503,
0.4023

54.5738, 0.3953,
0.3803

39.5176, 0.4792,
0.4092

60.7646, 0.3710,
0.3675

35.5948, 0.5069,
0.4115

67.5755, 0.3495,
0.3545

32.1761, 0.5314,
0.4084

75.0253, 0.3305,
0.3419

29.4533, 0.5503,
0.4013

83.1317, 0.3140,
0.3300

■ 91.7454, 0.3011,
0.3213

■ 96.5652, 0.3011,
0.3290

Harmonies

Analogous

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



48.9810, 0.4236, 0.3490



48.9810, 0.4219, 0.3923



48.9810, 0.3894, 0.4249

Triad

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



48.9810, 0.4219, 0.3923



48.9810, 0.2373, 0.3482



48.9810, 0.2797, 0.2451

Complementary

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



48.9810, 0.4219, 0.3923



41.9749, 0.2318, 0.2531

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.



48.9810, 0.2359, 0.2395



48.9810, 0.4219, 0.3923



48.9810, 0.2132, 0.2927

Square

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



48.9810, 0.4219, 0.3923



48.9810, 0.2822, 0.4032



48.9810, 0.2130, 0.2549



48.9810, 0.3369, 0.2685

Rectangle

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



48.9810, 0.4219, 0.3923



48.9810, 0.3563, 0.4334



48.9810, 0.2130, 0.2549



48.9810, 0.2631, 0.2410

Sweetspot

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



48.9834, 0.4219, 0.3923



85.6363, 0.3382, 0.3472



33.6086, 0.3781, 0.2591



17.9281, 0.3422, 0.3498



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.



48.9834, 0.4219, 0.3923



52.2114, 0.4515, 0.4027



76.7749, 0.3889, 0.4485



16.2353, 0.3281, 0.3402



16.4976, 0.5477, 0.4033



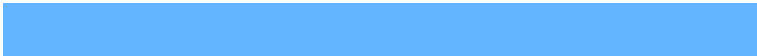
1.4869, 0.5253, 0.4211

Inverse Universe

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



41.9749, 0.2318, 0.2531



42.9649, 0.2167, 0.2341



23.1970, 0.2160, 0.1724



15.8567, 0.2981, 0.3175



11.5179, 0.1795, 0.1663



1.0970, 0.1862, 0.1905

Previews

White Background



This preview shows how the Yxy color 48.9810, 0.4219, 0.3923 looks on a white background.

Color Contrast Check

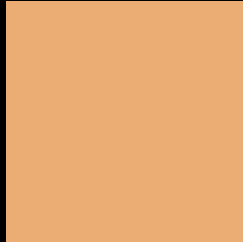
Large Text (above 18pt) WCAG AA × Fail

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 48.9810, 0.4219, 0.3923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

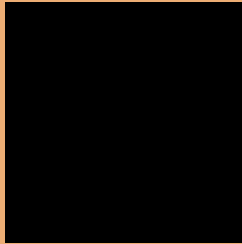
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.9810, 0.4219, 0.3923

Background



This preview shows how black text looks on a background with the Yxy color 48.9810, 0.4219, 0.3923.



This preview shows how white text looks on a background with the Yxy color 48.9810, 0.4219, 0.3923.

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

48.9810, 0.4219, 0.3923

Protanopia

49.0548, 0.3794, 0.4102

Deuteranopia

49.0861, 0.4097, 0.4017



Tritanopia

48.8254, 0.3725, 0.3148

Trichromacy



Original Color

48.9810, 0.4219, 0.3923

Protanomaly

48.6758, 0.3946, 0.4036

Deuteranomaly

48.9465, 0.4146, 0.3984

Tritanomaly

48.7225, 0.3917, 0.3438

Monochromacy



Original Color

48.9810, 0.4219, 0.3923

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.4232, 0.3505, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9810, 0.4219, 0.3923 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(236, 173, 116)` looks like.

```
.text, #text, p{  
    color:rgb(236, 173, 116)  
}
```

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(236, 173, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 173, 116) }
```

Border

The CSS property to change the border of an element to Yxy 48.9810, 0.4219, 0.3923 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(236, 173, 116) }
```

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

```
.border{ border-color:rgb(236, 173, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 173, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 173, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 173, 116);  
box-shadow:4px 4px 4px 4px rgb(236, 173,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9810, 0.4219, 0.3923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 173, 116) }
```

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

```
.background{ background-color: rgb(236,  
173, 116) }
```

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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