

Converting Colors

$Y_{xy}(50.0984, 0.4219, 0.3909)$

Have a look what the booklet for
Yxy(50.0984, 0.4219, 0.3909)
contains.

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Color

Yxy(49.9308, 0.4223, 0.3905)

Conversions

Conversions Part 1

Format	Color
Hex	EFAE76
RGB	239, 174, 118
RGB Percent	94%, 68%, 46%
CMY	0.0628, 0.3176, 0.5372
CMYK	0.00, 0.27, 0.51, 0.06
HSL	28°, 79%, 70%
HSV	28°, 51%, 94%
XYZ	53.9969, 49.9308, 23.9361
YIQ	187.0510, 56.7160, -3.6360

Conversions

Conversions Part 2

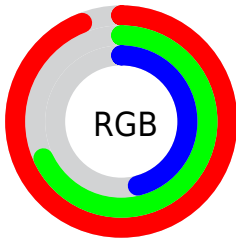
Format	Color
R_{YB}	239, 222, 118
Decimal	15707766
CIE _{Lab}	76.03, 17.44, 37.96
CIE _{LCh}	76, 41.776, 65.324
Yxy	49.9308, 0.4223, 0.3905
Android (android.graphics.Color)	4293897846 (0xFFEFAE76)
YUV	187.0510, -34.0421, 45.5593
Hunter-Lab	70.6617, 12.7445, 29.3792

Details

The Yxy color **49.9308, 0.4223, 0.3905** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **43.9395, 0.2325, 0.2556**, and the grayscale version is **49.8977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7939, 0.3701, 0.3889**, and **23.7954, 0.4514, 0.4023** is the 20% darker color. If you saturate the color by 10%, you get **44.7104, 0.4512, 0.4003**, and if you desaturate by 10%, it is **55.7738, 0.3953, 0.3788**.

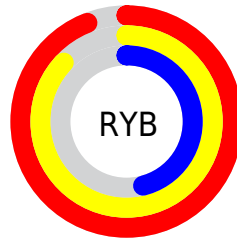
Distribution



Red (94%)

Green (68%)

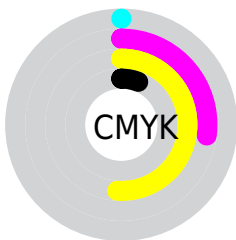
Blue (46%)



Red (94%)

Yellow (87%)

Blue (46%)

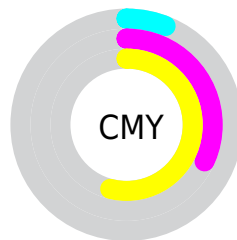


Cyan (0%)

Magenta (27%)

Yellow (51%)

Black (6%)



Cyan (6%)


Magenta (32%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9308, 0.4223, 0.3905 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 49.9308, 0.4223, 0.3905 by changing the saturation by 10% instead.


 49.9308, 0.4223,
0.3905


 49.9308, 0.4223,
0.3905


386.3953, 0.3685,
0.3630


 35.3584, 0.4350,
0.3961


 90.0723, 0.4032,
0.3814

 23.9391, 0.4508,
0.4025


 116.4103, 0.3959,
0.3777

 15.2885, 0.4706,
0.4097


 147.4389, 0.3897,
0.3745

 9.0221, 0.4960,
0.4169

183.5425, 0.3843,
0.3716

 4.7556, 0.5320,
0.4248

225.1056, 0.3796,
0.3691

 2.1046, 0.5759,
0.4241

272.5124, 0.3754,

 0.6672, 0.6180,

0.3668

326.1475, 0.3718,
0.3648

0.3820

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.9308, 0.4223,
0.3905

49.9308, 0.4223,
0.3905

44.7104, 0.4512,
0.4003

55.7738, 0.3953,
0.3788

40.0809, 0.4807,
0.4069

62.2548, 0.3709,
0.3663

36.0184, 0.5091,
0.4091

69.3973, 0.3492,
0.3536


32.4931, 0.5343,
0.4058

77.2215, 0.3302,
0.3413

 29.6363, 0.5541,
0.3983

 85.7467, 0.3137,
0.3297

 94.5718, 0.3030,
0.3251

 97.0861, 0.3029,
0.3290

Harmonies

Analogous

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



49.9308, 0.4225, 0.3472



49.9308, 0.4223, 0.3905



49.9308, 0.3910, 0.4237

Triad

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



49.9308, 0.4223, 0.3905



49.9308, 0.2390, 0.3506



49.9308, 0.2777, 0.2447

Complementary

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



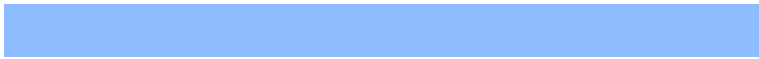
49.9308, 0.4223, 0.3905



43.9395, 0.2325, 0.2556

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.



49.9308, 0.2348, 0.2399



49.9308, 0.4223, 0.3905



49.9308, 0.2140, 0.2948

Square

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



49.9308, 0.4223, 0.3905



49.9308, 0.2845, 0.4047



49.9308, 0.2128, 0.2562



49.9308, 0.3344, 0.2674

Rectangle

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



49.9308, 0.4223, 0.3905



49.9308, 0.3584, 0.4330



49.9308, 0.2128, 0.2562



49.9308, 0.2614, 0.2409

Sweetspot

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



49.9332, 0.4223, 0.3905



85.3640, 0.3383, 0.3467



34.7906, 0.3754, 0.2572



17.8627, 0.3423, 0.3493



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.



49.9332, 0.4223, 0.3905



51.4715, 0.4529, 0.4008



77.8904, 0.3896, 0.4465



16.9650, 0.3282, 0.3400



16.6383, 0.5515, 0.4003



1.5812, 0.5297, 0.4176

Inverse Universe

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



43.9395, 0.2325, 0.2556



43.7586, 0.2173, 0.2367



24.5149, 0.2169, 0.1757



16.6348, 0.2980, 0.3178



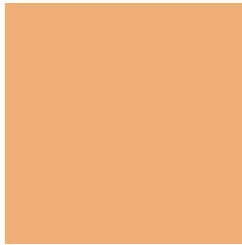
12.2916, 0.1807, 0.1704



1.2215, 0.1869, 0.1929

Previews

White Background



This preview shows how the Yxy color 49.9308, 0.4223, 0.3905 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 49.9308, 0.4223, 0.3905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

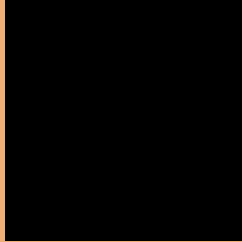
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.9308, 0.4223, 0.3905

Background



This preview shows how black text looks on a background with the Yxy color 49.9308, 0.4223, 0.3905.



This preview shows how white text looks on a background with the Yxy color 49.9308, 0.4223, 0.3905.

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

49.9308, 0.4223, 0.3905

Protanopia

50.2339, 0.3787, 0.4095

Deuteranopia

49.8554, 0.4093, 0.4000



Tritanopia

49.7602, 0.3740, 0.3150

Trichromacy



Original Color

49.9308, 0.4223, 0.3905

Protanomaly

49.9992, 0.3947, 0.4027

Deuteranomaly

49.7176, 0.4141, 0.3968

Tritanomaly

49.6875, 0.3922, 0.3425

Monochromacy



Original Color

49.9308, 0.4223, 0.3905

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.1863, 0.3504, 0.3539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9308, 0.4223, 0.3905 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, 174, 118)` looks like.

```
.text, #text, p{  
    color:rgb(239, 174, 118)  
}
```

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, 174, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 174, 118) }
```

Border

The CSS property to change the border of an element to Yxy 49.9308, 0.4223, 0.3905 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, 174, 118) }
```

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

```
.border{ border-color:rgb(239, 174, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 174, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 174, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 174, 118);  
box-shadow:4px 4px 4px 4px rgb(239, 174,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9308, 0.4223, 0.3905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 174, 118) }
```

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

```
.background{ background-color: rgb(239,  
174, 118) }
```

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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