

Converting Colors

$Y_{xy}(49.5301, 0.4259, 0.3899)$

Have a look what the booklet for
Yxy(49.5301, 0.4259, 0.3899)
contains.

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Color

Yxy(49.3147, 0.4253, 0.3892)

Conversions

Conversions Part 1

Format	Color
Hex	F0AC75
RGB	240, 172, 117
RGB Percent	94%, 67%, 46%
CMY	0.0590, 0.3254, 0.5412
CMYK	0.00, 0.28, 0.51, 0.06
HSL	27°, 80%, 70%
HSV	27°, 51%, 94%
XYZ	53.8889, 49.3147, 23.5043
YIQ	186.0620, 58.1830, -2.6890

Conversions

Conversions Part 2

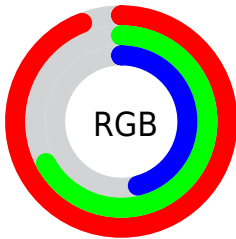
Format	Color
R _Y B	240, 216, 117
Decimal	15772789
CIE Lab	75.65, 18.80, 38.04
CIE LCh	76, 42.430, 63.695
Yxy	49.3147, 0.4253, 0.3892
Android (android.graphics.Color)	4293962869 (0xFFFF0AC75)
YUV	186.0620, -34.0476, 47.3036
Hunter-Lab	70.2244, 14.0847, 29.3126

Details

The Yxy color **49.3147, 0.4253, 0.3892** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **44.7384, 0.2321, 0.2570**, and the grayscale version is **49.3097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6491, 0.3714, 0.3880**, and **23.6619, 0.4547, 0.4016** is the 20% darker color. If you saturate the color by 10%, you get **44.0251, 0.4549, 0.3985**, and if you desaturate by 10%, it is **55.2572, 0.3977, 0.3780**.

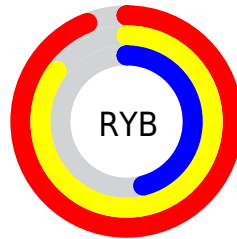
Distribution



Red (94%)

Green (67%)

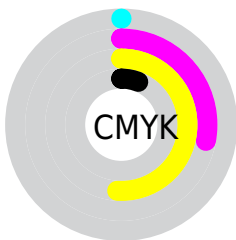
Blue (46%)



Red (94%)

Yellow (85%)

Blue (46%)

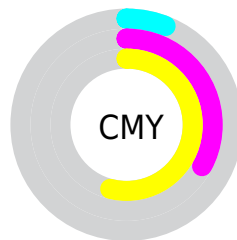


Cyan (0%)

Magenta (28%)

Yellow (51%)

Black (6%)



Cyan (6%)


Magenta (33%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3147, 0.4253, 0.3892 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 49.3147, 0.4253, 0.3892 by changing the saturation by 10% instead.


 49.3147, 0.4253,
0.3892

 49.3147, 0.4253,
0.3892


383.9799, 0.3699,
0.3625

 34.8692, 0.4384,
0.3946


 89.1587, 0.4056,
0.3804

 23.5621, 0.4547,
0.4007


 115.3259, 0.3981,
0.3768

 15.0091, 0.4753,
0.4073


 146.1692, 0.3916,
0.3737

 8.8258, 0.5016,
0.4138

182.0729, 0.3861,
0.3709

 4.6277, 0.5396,
0.4211

223.4214, 0.3813,
0.3684

 2.0305, 0.5834,
0.4166

270.5992, 0.3770,

 0.6251, 0.6315,

0.3662

323.9905, 0.3733,
0.3642

0.3685

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.3147, 0.4253,
0.3892

49.3147, 0.4253,
0.3892

44.0251, 0.4549,
0.3985

55.2572, 0.3977,
0.3780

39.3553, 0.4851,
0.4045


61.8696, 0.3727,
0.3659

35.2793, 0.5142,
0.4060

69.1769, 0.3506,
0.3536


31.7654, 0.5398,
0.4020

77.2007, 0.3313,
0.3417

 29.1159, 0.5587,
0.3946

 85.9614, 0.3146,
0.3304

 95.0883, 0.3036,
0.3256

 97.2588, 0.3035,
0.3290

Harmonies

Analogous

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



49.3147, 0.4237, 0.3448



49.3147, 0.4253, 0.3892



49.3147, 0.3948, 0.4241

Triad

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



49.3147, 0.4253, 0.3892



49.3147, 0.2396, 0.3543



49.3147, 0.2741, 0.2425

Complementary

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



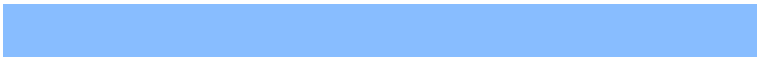
49.3147, 0.4253, 0.3892



44.7384, 0.2321, 0.2570

Split Complementary

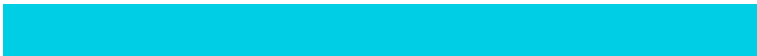
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



49.3147, 0.2316, 0.2387



49.3147, 0.4253, 0.3892



49.3147, 0.2130, 0.2968

Square

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



49.3147, 0.4253, 0.3892



49.3147, 0.2868, 0.4088



49.3147, 0.2105, 0.2564



49.3147, 0.3315, 0.2647

Rectangle

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



49.3147, 0.4253, 0.3892



49.3147, 0.3621, 0.4349



49.3147, 0.2105, 0.2564



49.3147, 0.2578, 0.2390

Sweetspot

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



49.3171, 0.4253, 0.3892



85.0273, 0.3384, 0.3461



34.8129, 0.3742, 0.2543



17.7818, 0.3424, 0.3487



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.



49.3171, 0.4253, 0.3892



50.5690, 0.4547, 0.3984



77.3839, 0.3915, 0.4460



16.9235, 0.3282, 0.3396



16.2007, 0.5560, 0.3968



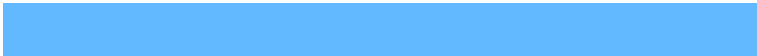
1.5435, 0.5335, 0.4146

Inverse Universe

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



44.7384, 0.2321, 0.2570



44.7580, 0.2181, 0.2399



24.7851, 0.2160, 0.1760



16.6768, 0.2980, 0.3182



12.8357, 0.1822, 0.1757



1.2661, 0.1882, 0.1976

Previews

White Background



This preview shows how the Yxy color 49.3147, 0.4253, 0.3892 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 49.3147, 0.4253, 0.3892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

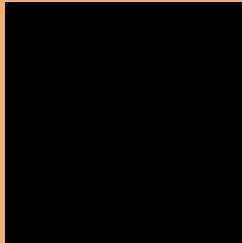
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.3147, 0.4253, 0.3892

Background



This preview shows how black text looks on a background with the Yxy color 49.3147, 0.4253, 0.3892.



This preview shows how white text looks on a background with the Yxy color 49.3147, 0.4253, 0.3892.

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

49.3147, 0.4253, 0.3892

Protanopia

49.6672, 0.3783, 0.4086

Deuteranopia

49.2705, 0.4098, 0.4003



Tritanopia

49.1377, 0.3774, 0.3150

Trichromacy



Original Color

49.3147, 0.4253, 0.3892

Protanomaly

49.4353, 0.3943, 0.4019

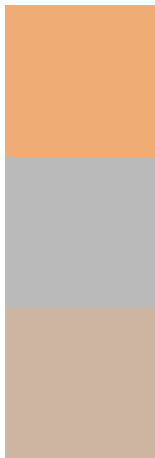
Deuteranomaly

49.3005, 0.4156, 0.3968

Tritanomaly

49.0587, 0.3958, 0.3425

Monochromacy



Original Color

49.3147, 0.4253, 0.3892

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.7428, 0.3515, 0.3539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3147, 0.4253, 0.3892 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(240, 172, 117)` looks like.

```
.text, #text, p{  
    color:rgb(240, 172, 117)  
}
```

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(240, 172, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 172, 117) }
```

Border

The CSS property to change the border of an element to Yxy 49.3147, 0.4253, 0.3892 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(240, 172, 117) }
```

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

```
.border{ border-color:rgb(240, 172, 117) }
```

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

Here you see how a box with a 4 pixel rgb(240, 172, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 172, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 172, 117);  
box-shadow:4px 4px 4px 4px rgb(240, 172,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3147, 0.4253, 0.3892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 172, 117) }
```

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

```
.background{ background-color: rgb(240,  
172, 117) }
```

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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