

Converting Colors

Yxy(49.8334, 0.4079, 0.4699)

Have a look what the booklet for
Yxy(49.8334, 0.4079, 0.4699)
contains.

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Color

Yxy(49.8334, 0.4079, 0.4699)

Conversions

Conversions Part 1

Format	Color
Hex	C7BF45
RGB	199, 191, 69
RGB Percent	78%, 75%, 27%
CMY	0.2196, 0.2510, 0.7296
CMYK	0.00, 0.04, 0.65, 0.22
HSL	56°, 54%, 53%
HSV	56°, 65%, 78%
XYZ	43.2582, 49.8334, 12.9594
YIQ	179.4840, 43.9300, -36.2460

Conversions

Conversions Part 2

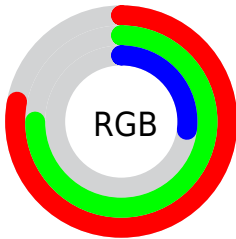
Format	Color
RYB	78, 199, 69
Decimal	13090629
CIELab	75.97, -11.81, 60.18
CIELCh	76, 61.331, 101.098
Yxy	49.8334, 0.4079, 0.4699
Android (android.graphics.Color)	4291280709 (0xFFC7BF45)
YUV	179.4840, -54.4686, 17.1155
Hunter-Lab	70.5928, -14.1551, 38.5305

Details

The Yxy color **49.8334, 0.4079, 0.4699** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **10.6874, 0.1893, 0.1313**, and the grayscale version is **45.6292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2116, 0.3921, 0.4480**, and **23.9277, 0.4242, 0.5014** is the 20% darker color. If you saturate the color by 10%, you get **49.0970, 0.4176, 0.4827**, and if you desaturate by 10%, it is **50.6618, 0.3959, 0.4532**.

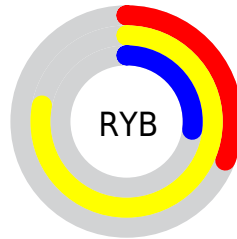
Distribution



Red (78%)

Green (75%)

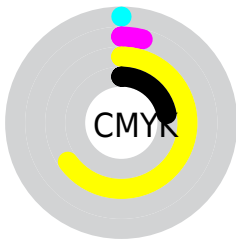
Blue (27%)



Red (31%)

Yellow (78%)

Blue (27%)

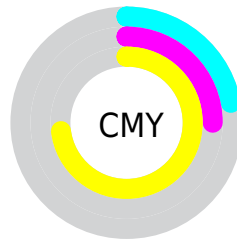


Cyan (0%)

Magenta (4%)

Yellow (65%)

Black (22%)



Cyan (22%)


Magenta (25%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8334, 0.4079, 0.4699 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 49.8334, 0.4079, 0.4699 by changing the saturation by 10% instead.


 49.8334, 0.4079,
0.4699

 49.8334, 0.4079,
0.4699


386.0141, 0.3658,
0.4027


 35.2810, 0.4158,
0.4844


 89.9280, 0.3944,
0.4470


 23.8794, 0.4241,
0.5013


 116.2390, 0.3888,
0.4379

 15.2442, 0.4321,
0.5207


 147.2384, 0.3838,
0.4300

 8.9910, 0.4434,
0.5488

 183.3105, 0.3793,
0.4231

 4.7353, 0.4370,
0.5630

 224.8397, 0.3754,
0.4171

 2.0928, 0.4208,
0.5792

272.2104, 0.3718,

 0.6606, 0.3396,

0.4117

0.6604

325.8071, 0.3686,
0.4070

0.0000, 0.0000,
0.0000

49.8334, 0.4079,
0.4699

49.8334, 0.4079,
0.4699

49.0970, 0.4176,
0.4827

50.6618, 0.3959,
0.4532

48.4369, 0.4246,
0.4911

51.5826, 0.3821,
0.4334

47.8447, 0.4290,
0.4953

52.6048, 0.3671,
0.4114

47.5831, 0.4305,
0.4963

53.7345, 0.3515,
0.3881

54.9772, 0.3358,
0.3645

■ 56.3380, 0.3206,
0.3412

■ 57.8219, 0.3061,
0.3187

■ 59.4332, 0.2925,
0.2975

■ 61.1763, 0.2799,
0.2778

Harmonies

Analogous

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



49.8334, 0.4628, 0.4205



49.8334, 0.4079, 0.4699



49.8334, 0.3318, 0.4816

Triad

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



49.8334, 0.4079, 0.4699



49.8334, 0.1723, 0.2629



49.8334, 0.3595, 0.2510

Complementary

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



49.8334, 0.4079, 0.4699



10.6874, 0.1893, 0.1313

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.



49.8334, 0.2753, 0.2166



49.8334, 0.4079, 0.4699



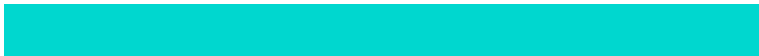
49.8334, 0.1775, 0.2179

Square

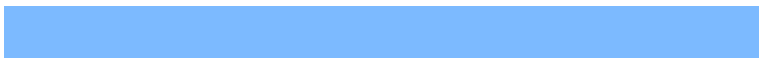
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.8334, 0.4079, 0.4699



49.8334, 0.1979, 0.3412



49.8334, 0.2120, 0.2042



49.8334, 0.4380, 0.3016

Rectangle

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



49.8334, 0.4079, 0.4699



49.8334, 0.2793, 0.4547



49.8334, 0.2120, 0.2042



49.8334, 0.3303, 0.2374

Sweetspot

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



49.8357, 0.4079, 0.4699



95.1538, 0.3435, 0.3761



16.9371, 0.5106, 0.3198



20.2357, 0.3480, 0.3829



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.



49.8357, 0.4079, 0.4699



85.5053, 0.4206, 0.4864



47.0873, 0.3529, 0.5072



12.3009, 0.3267, 0.3505



30.6421, 0.4304, 0.4965



1.4856, 0.4278, 0.4985

Inverse Universe

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



10.6874, 0.1893, 0.1313



12.2389, 0.1677, 0.0943



12.7563, 0.2350, 0.1432



10.3905, 0.2983, 0.3066



2.8695, 0.1512, 0.0644



0.1732, 0.1555, 0.0798

Previews

White Background



This preview shows how the Yxy color 49.8334, 0.4079, 0.4699 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 49.8334, 0.4079, 0.4699 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 49.8334, 0.4079, 0.4699

Background



This preview shows how black text looks on a background with the Yxy color 49.8334, 0.4079, 0.4699.



This preview shows how white text looks on a background with the Yxy color 49.8334, 0.4079, 0.4699.

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

49.8334, 0.4079, 0.4699

Protanopia

49.9391, 0.4197, 0.4625

Deuteranopia

49.6455, 0.4466, 0.4371



Tritanopia

49.7921, 0.3282, 0.3123

Trichromacy



Original Color

49.8334, 0.4079, 0.4699

Protanomaly

49.7917, 0.4153, 0.4656

Deuteranomaly

49.7070, 0.4324, 0.4485

Tritanomaly

49.1269, 0.3620, 0.3726

Monochromacy



Original Color

49.8334, 0.4079, 0.4699

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.1702, 0.3512, 0.3875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8334, 0.4079, 0.4699 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(199, 191, 69)` looks like.

```
.text, #text, p{  
    color:rgb(199, 191, 69)  
}
```

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(199, 191, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 191, 69) }
```

Border

The CSS property to change the border of an element to Yxy 49.8334, 0.4079, 0.4699 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(199, 191, 69) }
```

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

```
.border{ border-color:rgb(199, 191, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 191, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 191, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 191, 69);  
box-shadow:4px 4px 4px 4px rgb(199, 191,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8334, 0.4079, 0.4699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 191, 69) }
```

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

```
.background{ background-color: rgb(199,  
191, 69) }
```

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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