

Converting Colors

$Yxy(47.7968, 0.3948, 0.4299)$

Have a look what the booklet for
Yxy(47.7968, 0.3948, 0.4299)
contains.

Yxy(47.7968, 0.3948, 0.4299)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.7968, 0.3948, 0.4299)

Conversions

Conversions Part 1

Format	Color
Hex	CAB866
RGB	202, 184, 102
RGB Percent	79%, 72%, 40%
CMY	0.2079, 0.2784, 0.5999
CMYK	0.00, 0.09, 0.49, 0.21
HSL	49°, 49%, 60%
HSV	49°, 49%, 79%
XYZ	43.8943, 47.7968, 19.4901
YIQ	180.0340, 37.0500, -21.6860

Conversions

Conversions Part 2

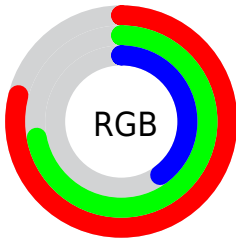
Format	Color
RYB	124, 202, 102
Decimal	13285478
CIELab	74.70, -4.45, 43.66
CIELCh	75, 43.885, 95.825
Yxy	47.7968, 0.3948, 0.4299
Android (android.graphics.Color)	4291475558 (0xFFCAB866)
YUV	180.0340, -38.4708, 19.2642
Hunter-Lab	69.1352, -7.6560, 31.6801

Details

The Yxy color **47.7968, 0.3948, 0.4299** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.5254, 0.2241, 0.2012**, and the grayscale version is **45.8583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9467, 0.3770, 0.4137**, and **22.5915, 0.4142, 0.4545** is the 20% darker color. If you saturate the color by 10%, you get **45.9556, 0.4111, 0.4470**, and if you desaturate by 10%, it is **49.7789, 0.3776, 0.4106**.

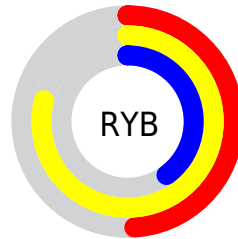
Distribution



Red (79%)

Green (72%)

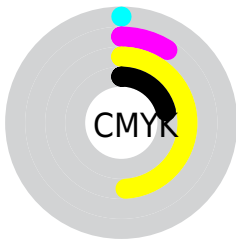
Blue (40%)



Red (49%)

Yellow (79%)

Blue (40%)

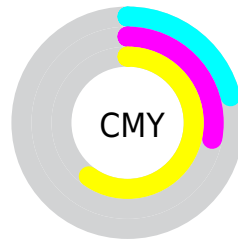


Cyan (0%)

Magenta (9%)

Yellow (49%)

Black (21%)



Cyan (21%)

Magenta (28%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7968, 0.3948, 0.4299 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 47.7968, 0.3948, 0.4299 by changing the saturation by 10% instead.


 47.7968, 0.3948,
0.4299

 47.7968, 0.3948,
0.4299


377.9861, 0.3557,
0.3807

 33.6660, 0.4035,
0.4413


 86.9018, 0.3813,
0.4126

 22.6371, 0.4139,
0.4551


 112.6448, 0.3760,
0.4059

 14.3258, 0.4262,
0.4721


 143.0272, 0.3714,
0.4002

 8.3476, 0.4401,
0.4926

 178.4336, 0.3675,
0.3952

 4.3182, 0.4681,
0.5319

219.2483, 0.3640,
0.3909

 1.8531, 0.4617,
0.5383

265.8557, 0.3609,

 0.5199, 0.4257,

0.3871

0.5743

318.6402, 0.3582,
0.3837

0.0000, 0.0000,
0.0000

47.7968, 0.3948,
0.4299

47.7968, 0.3948,
0.4299

45.9556, 0.4111,
0.4470

49.7789, 0.3776,
0.4106

44.2411, 0.4258,
0.4608

51.9019, 0.3603,
0.3899

42.6469, 0.4382,
0.4705

54.1743, 0.3433,
0.3688

41.1632, 0.4479,
0.4756

56.6019, 0.3271,
0.3480

39.7725, 0.4550,
0.4766

59.1900, 0.3120,
0.3280

■ 39.7025, 0.4553,
0.4767

■ 61.9437, 0.2980,
0.3090

■ 64.8679, 0.2852,
0.2913

■ 67.3994, 0.2785,
0.2835

■ 69.2484, 0.2788,
0.2875

Harmonies

Analogous

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



47.7968, 0.4289, 0.3943



47.7968, 0.3948, 0.4299



47.7968, 0.3404, 0.4392

Triad

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



47.7968, 0.3948, 0.4299



47.7968, 0.2080, 0.2914



47.7968, 0.3367, 0.2644

Complementary

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



47.7968, 0.3948, 0.4299



20.5254, 0.2241, 0.2012

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.



47.7968, 0.2762, 0.2401



47.7968, 0.3948, 0.4299



47.7968, 0.2072, 0.2511

Square

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



47.7968, 0.3948, 0.4299



47.7968, 0.2337, 0.3508



47.7968, 0.2307, 0.2346



47.7968, 0.3952, 0.3026

Rectangle

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



47.7968, 0.3948, 0.4299



47.7968, 0.3006, 0.4237



47.7968, 0.2307, 0.2346



47.7968, 0.3157, 0.2545

Sweetspot

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



47.7990, 0.3948, 0.4299



93.4655, 0.3363, 0.3599



23.4282, 0.4243, 0.3057



19.8196, 0.3398, 0.3643



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.



47.7990, 0.3948, 0.4299



77.7244, 0.4116, 0.4475



51.7780, 0.3574, 0.4607



12.7401, 0.3270, 0.3479



25.6708, 0.4548, 0.4771



1.4163, 0.4467, 0.4835

Inverse Universe

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



20.5254, 0.2241, 0.2012



26.5931, 0.2044, 0.1697



18.8148, 0.2466, 0.1841



11.1649, 0.2982, 0.3094



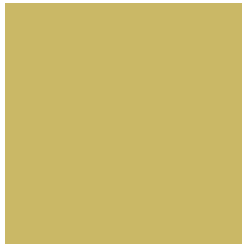
3.6631, 0.1549, 0.0775



0.2909, 0.1643, 0.1115

Previews

White Background



This preview shows how the Yxy color 47.7968, 0.3948, 0.4299 looks on a white background.

Color Contrast Check

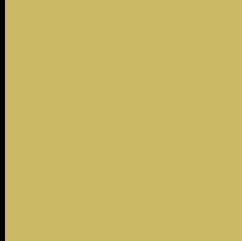
Large Text (above 18pt) WCAG AA × Fail

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 47.7968, 0.3948, 0.4299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

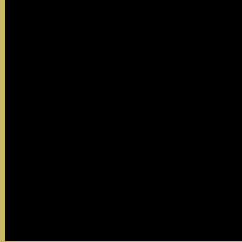
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7968, 0.3948, 0.4299

Background



This preview shows how black text looks on a background with the Yxy color 47.7968, 0.3948, 0.4299.



This preview shows how white text looks on a background with the Yxy color 47.7968, 0.3948, 0.4299.

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

47.7968, 0.3948, 0.4299

Protanopia

47.7968, 0.3948, 0.4299

Deuteranopia

47.5067, 0.4195, 0.4103



Tritanopia

47.6046, 0.3331, 0.3122

Trichromacy



Original Color

47.7968, 0.3948, 0.4299

Protanomaly

47.7968, 0.3948, 0.4299

Deuteranomaly

47.4190, 0.4109, 0.4173

Tritanomaly

47.5405, 0.3567, 0.3552

Monochromacy



Original Color

47.7968, 0.3948, 0.4299

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.0061, 0.3427, 0.3673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7968, 0.3948, 0.4299 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(202, 184, 102)` looks like.

```
.text, #text, p{  
    color:rgb(202, 184, 102)  
}
```

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(202, 184, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 184, 102) }
```

Border

The CSS property to change the border of an element to Yxy 47.7968, 0.3948, 0.4299 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(202, 184, 102) }
```

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

```
.border{ border-color:rgb(202, 184, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 184, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 184, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 184, 102);  
box-shadow:4px 4px 4px 4px rgb(202, 184,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7968, 0.3948, 0.4299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 184, 102) }
```

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

```
.background{ background-color: rgb(202,  
184, 102) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor