

Converting Colors

$Yxy(45.6103, 0.3849, 0.4017)$

Have a look what the booklet for
Yxy(45.6103, 0.3849, 0.4017)
contains.

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Color

Yxy(45.4969, 0.3854, 0.4009)

Conversions

Conversions Part 1

Format	Color
Hex	CBB178
RGB	203, 177, 120
RGB Percent	80%, 69%, 47%
CMY	0.2040, 0.3058, 0.5293
CMYK	0.00, 0.13, 0.41, 0.20
HSL	41°, 44%, 63%
HSV	41°, 41%, 80%
XYZ	43.7379, 45.4969, 24.2522
YIQ	178.2760, 33.7930, -12.2150

Conversions

Conversions Part 2

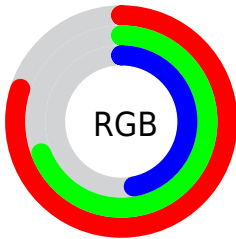
Format	Color
RYB	158, 203, 120
Decimal	13349240
CIELab	73.22, 1.46, 32.59
CIElCh	73, 32.622, 87.435
Yxy	45.4969, 0.3854, 0.4009
Android (android.graphics.Color)	4291539320 (0xFFCBB178)
YUV	178.2760, -28.7301, 21.6829
Hunter-Lab	67.4514, -2.2943, 25.8982

Details

The Yxy color **45.4969, 0.3854, 0.4009** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.8602, 0.2437, 0.2442**, and the grayscale version is **44.8173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5550, 0.3678, 0.3897**, and **21.3125, 0.4045, 0.4211** is the 20% darker color. If you saturate the color by 10%, you get **42.6050, 0.4058, 0.4175**, and if you desaturate by 10%, it is **48.6144, 0.3656, 0.3832**.

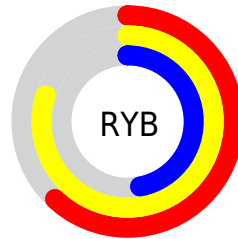
Distribution



Red (80%)

Green (69%)

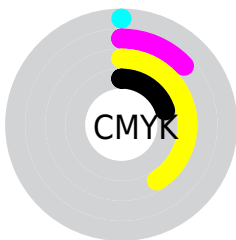
Blue (47%)



Red (62%)

Yellow (80%)

Blue (47%)

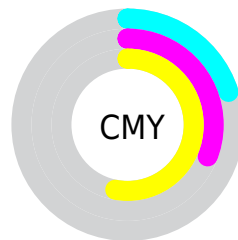


Cyan (0%)

Magenta (13%)

Yellow (41%)

Black (20%)



Cyan (20%)


Magenta (31%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4969, 0.3854, 0.4009 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 45.4969, 0.3854, 0.4009 by changing the saturation by 10% instead.


 45.4969, 0.3854,
0.4009


 45.4969, 0.3854,
0.4009


368.7823, 0.3495,
0.3656

 31.8490, 0.3940,
0.4093


 83.4656, 0.3726,
0.3883

 21.2462, 0.4048,
0.4197


 108.5551, 0.3677,
0.3835

 13.3041, 0.4185,
0.4328


 138.2273, 0.3635,
0.3794

 7.6383, 0.4361,
0.4495

172.8666, 0.3599,
0.3759

 3.8644, 0.4622,
0.4739

212.8574, 0.3568,
0.3728

 1.5980, 0.4959,
0.5041

258.5840, 0.3540,

 0.3562, 0.5123,

0.3701

0.4877

310.4308, 0.3516,
0.3677

0.0000, 0.0000,
0.0000

45.4969, 0.3854,
0.4009

45.4969, 0.3854,
0.4009

42.6050, 0.4058,
0.4175

48.6144, 0.3656,
0.3832

39.9241, 0.4261,
0.4320

51.9588, 0.3470,
0.3651

37.4473, 0.4455,
0.4433

55.5393, 0.3297,
0.3474

35.1644, 0.4629,
0.4502

59.3625, 0.3140,
0.3304

33.0638, 0.4774,
0.4523

63.4350, 0.2998,
0.3144

■ 31.2868, 0.4884,
0.4504

■ 67.7627, 0.2871,
0.2995

■ 71.8851, 0.2798,
0.2929

■ 75.3140, 0.2802,
0.2999

■ 78.8714, 0.2807,
0.3068

Harmonies

Analogous

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



45.4969, 0.4040, 0.3718



45.4969, 0.3854, 0.4009



45.4969, 0.3476, 0.4122

Triad

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



45.4969, 0.3854, 0.4009



45.4969, 0.2355, 0.3133



45.4969, 0.3182, 0.2721

Complementary

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



45.4969, 0.3854, 0.4009



28.8602, 0.2437, 0.2442

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.



45.4969, 0.2739, 0.2569



45.4969, 0.3854, 0.4009



45.4969, 0.2289, 0.2771

Square

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



45.4969, 0.3854, 0.4009



45.4969, 0.2615, 0.3588



45.4969, 0.2423, 0.2579



45.4969, 0.3640, 0.3000

Rectangle

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



45.4969, 0.3854, 0.4009



45.4969, 0.3174, 0.4053



45.4969, 0.2423, 0.2579



45.4969, 0.3026, 0.2654

Sweetspot

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



45.4990, 0.3854, 0.4009



92.2235, 0.3319, 0.3497



28.2163, 0.3823, 0.2951



19.5662, 0.3341, 0.3520



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.



45.4990, 0.3854, 0.4009



71.9267, 0.4033, 0.4156



54.7213, 0.3603, 0.4340



12.4812, 0.3273, 0.3449



20.0842, 0.4872, 0.4514



1.1679, 0.4708, 0.4644

Inverse Universe

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



28.8602, 0.2437, 0.2442



40.4066, 0.2278, 0.2219



22.9190, 0.2504, 0.2085



11.4075, 0.2983, 0.3126



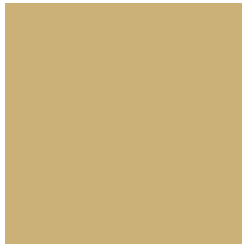
5.1898, 0.1623, 0.1042



0.4039, 0.1735, 0.1444

Previews

White Background



This preview shows how the Yxy color 45.4969, 0.3854, 0.4009 looks on a white background.

Color Contrast Check

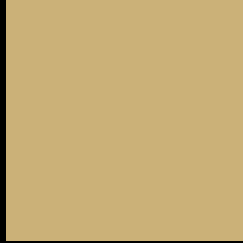
Large Text (above 18pt) WCAG AA × Fail

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 45.4969, 0.3854, 0.4009 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 45.4969, 0.3854, 0.4009

Background



This preview shows how black text looks on a background with the Yxy color 45.4969, 0.3854, 0.4009.



This preview shows how white text looks on a background with the Yxy color 45.4969, 0.3854, 0.4009.

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

45.4969, 0.3854, 0.4009

Protanopia

45.6251, 0.3756, 0.4053

Deuteranopia

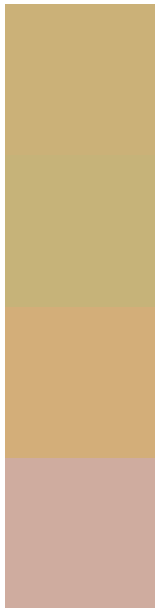
45.3326, 0.3986, 0.3909



Tritanopia

45.3086, 0.3382, 0.3132

Trichromacy



Original Color

45.4969, 0.3854, 0.4009

Protanomaly

45.6264, 0.3789, 0.4033

Deuteranomaly

45.5015, 0.3938, 0.3942

Tritanomaly

45.2736, 0.3566, 0.3454

Monochromacy



Original Color

45.4969, 0.3854, 0.4009

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.8399, 0.3382, 0.3569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4969, 0.3854, 0.4009 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(203, 177, 120)` looks like.

```
.text, #text, p{  
    color:rgb(203, 177, 120)  
}
```

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(203, 177, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 177, 120) }
```

Border

The CSS property to change the border of an element to Yxy 45.4969, 0.3854, 0.4009 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(203, 177, 120) }
```

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

```
.border{ border-color:rgb(203, 177, 120) }
```

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

Here you see how a box with a 4 pixel rgb(203, 177, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 177, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 177, 120);  
box-shadow:4px 4px 4px 4px rgb(203, 177,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4969, 0.3854, 0.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 177, 120) }
```

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

```
.background{ background-color: rgb(203,  
177, 120) }
```

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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