

Converting Colors

$Y_{xy}(40.7469, 0.3888, 0.3840)$

Have a look what the booklet for
Yxy(40.7469, 0.3888, 0.3840)
contains.

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Color

Yxy(40.8720, 0.3887, 0.3844)

Conversions

Conversions Part 1

Format	Color
Hex	CAA57A
RGB	202, 165, 122
RGB Percent	79%, 65%, 48%
CMY	0.2078, 0.3530, 0.5215
CMYK	0.00, 0.18, 0.40, 0.21
HSL	32°, 43%, 64%
HSV	32°, 40%, 79%
XYZ	41.3292, 40.8720, 24.1255
YIQ	171.1610, 35.8550, -5.5290

Conversions

Conversions Part 2

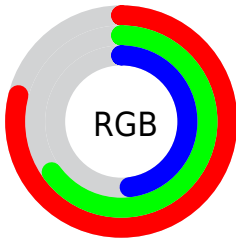
Format	Color
R _Y B	191, 202, 122
Decimal	13280634
CIE Lab	70.09, 7.74, 27.40
CIE LCh	70, 28.473, 74.229
Yxy	40.8720, 0.3887, 0.3844
Android (android.graphics.Color)	4291470714 (0xFFCAA57A)
YUV	171.1610, -24.2364, 27.0458
Hunter-Lab	63.9312, 3.5141, 22.3778

Details

The Yxy color **40.8720, 0.3887, 0.3844** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.2099, 0.2488, 0.2658**, and the grayscale version is **40.9225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5415, 0.3704, 0.3752**, and **18.4023, 0.4103, 0.3981** is the 20% darker color. If you saturate the color by 10%, you get **37.1743, 0.4130, 0.3979**, and if you desaturate by 10%, it is **44.9241, 0.3663, 0.3701**.

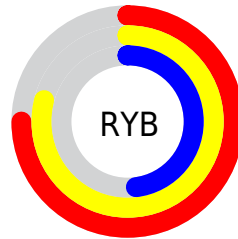
Distribution



Red (79%)

Green (65%)

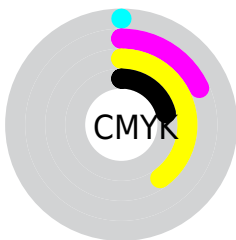
Blue (48%)



Red (75%)

Yellow (79%)

Blue (48%)

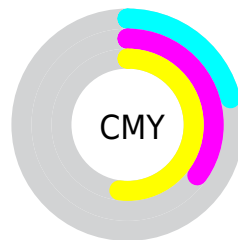


Cyan (0%)

Magenta (18%)

Yellow (40%)

Black (21%)



Cyan (21%)


Magenta (35%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8720, 0.3887, 0.3844 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 40.8720, 0.3887, 0.3844 by changing the saturation by 10% instead.


 40.8720, 0.3887,
0.3844


 40.8720, 0.3887,
0.3844


349.7854, 0.3500,
0.3572

 28.2191, 0.3984,
0.3909


 76.4895, 0.3745,
0.3747

 18.4909, 0.4109,
0.3989


 100.2230, 0.3693,
0.3710

 11.3030, 0.4272,
0.4089


 128.4187, 0.3648,
0.3679

 6.2710, 0.4494,
0.4216

161.4611, 0.3610,
0.3651

 3.0106, 0.4849,
0.4410

199.7345, 0.3577,
0.3628

 1.1373, 0.5372,
0.4628

243.6235, 0.3548,

 0.0095, 0.9540,

0.3607

0.0460

293.5123, 0.3522,
0.3588

0.0000, 0.0000,
0.0000

40.8720, 0.3887,
0.3844

40.8720, 0.3887,
0.3844

37.1743, 0.4130,
0.3979

44.9241, 0.3663,
0.3701

33.8136, 0.4386,
0.4097

49.3359, 0.3460,
0.3557

30.7790, 0.4644,
0.4185

54.1197, 0.3280,
0.3417

28.0568, 0.4891,
0.4231

59.2854, 0.3121,
0.3285

25.6315, 0.5111,
0.4225

64.8424, 0.2982,
0.3161

■ 23.4796, 0.5299,
0.4171

■ 70.8000, 0.2860,
0.3047

■ 23.3993, 0.5306,
0.4169

■ 76.6124, 0.2798,
0.3027

■ 81.9684, 0.2805,
0.3128

■ 87.6078, 0.2812,
0.3228

Harmonies

Analogous

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



40.8720, 0.3952, 0.3542



40.8720, 0.3887, 0.3844



40.8720, 0.3612, 0.4024

Triad

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



40.8720, 0.3887, 0.3844



40.8720, 0.2509, 0.3329



40.8720, 0.2993, 0.2693

Complementary

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



40.8720, 0.3887, 0.3844



33.2099, 0.2488, 0.2658

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.



40.8720, 0.2631, 0.2617



40.8720, 0.3887, 0.3844



40.8720, 0.2367, 0.2951

Square

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



40.8720, 0.3887, 0.3844



40.8720, 0.2815, 0.3728



40.8720, 0.2410, 0.2701



40.8720, 0.3416, 0.2903

Rectangle

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



40.8720, 0.3887, 0.3844



40.8720, 0.3356, 0.4030



40.8720, 0.2410, 0.2701



40.8720, 0.2860, 0.2651

Sweetspot

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



40.8739, 0.3887, 0.3844



89.4802, 0.3324, 0.3453



28.9956, 0.3645, 0.2810



18.9197, 0.3348, 0.3471



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.



40.8739, 0.3887, 0.3844



63.4976, 0.4106, 0.3967



55.8453, 0.3692, 0.4270



12.1953, 0.3277, 0.3415



15.2342, 0.5287, 0.4184



0.9368, 0.5017, 0.4398

Inverse Universe

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



33.2099, 0.2488, 0.2658



48.6704, 0.2340, 0.2481



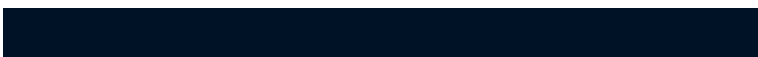
22.5220, 0.2424, 0.2097



11.6852, 0.2983, 0.3162



8.0089, 0.1742, 0.1469



0.5645, 0.1845, 0.1842

Previews

White Background



This preview shows how the Yxy color 40.8720, 0.3887, 0.3844 looks on a white background.

Color Contrast Check

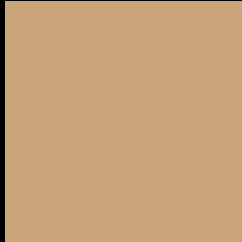
Large Text (above 18pt) WCAG AA × Fail

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 40.8720, 0.3887, 0.3844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

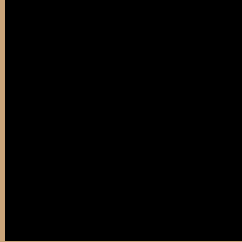
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8720, 0.3887, 0.3844

Background



This preview shows how black text looks on a background with the Yxy color 40.8720, 0.3887, 0.3844.



This preview shows how white text looks on a background with the Yxy color 40.8720, 0.3887, 0.3844.

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

40.8720, 0.3887, 0.3844

Protanopia

40.7968, 0.3653, 0.3919

Deuteranopia

40.7934, 0.3912, 0.3828



Tritanopia

41.0019, 0.3484, 0.3141

Trichromacy



Original Color

40.8720, 0.3887, 0.3844

Protanomaly

40.9075, 0.3740, 0.3892

Deuteranomaly

40.6526, 0.3902, 0.3830

Tritanomaly

40.7688, 0.3635, 0.3393

Monochromacy



Original Color

40.8720, 0.3887, 0.3844

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.6209, 0.3389, 0.3509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8720, 0.3887, 0.3844 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, 165, 122)` looks like.

```
.text, #text, p{  
    color:rgb(202, 165, 122)  
}
```

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, 165, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 165, 122) }
```

Border

The CSS property to change the border of an element to Yxy 40.8720, 0.3887, 0.3844 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, 165, 122) }
```

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

```
.border{ border-color:rgb(202, 165, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 165, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 165, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 165, 122);  
box-shadow:4px 4px 4px 4px rgb(202, 165,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8720, 0.3887, 0.3844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 165, 122) }
```

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

```
.background{ background-color: rgb(202,  
165, 122) }
```

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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