

Converting Colors

$Y_{xy}(40.7494, 0.4071, 0.3717)$

Have a look what the booklet for
Yxy(40.7494, 0.4071, 0.3717)
contains.

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Color

Yxy(40.7892, 0.4074, 0.3716)

Conversions

Conversions Part 1

Format	Color
Hex	DA9E7B
RGB	218, 158, 123
RGB Percent	85%, 62%, 48%
CMY	0.1450, 0.3804, 0.5176
CMYK	0.00, 0.28, 0.44, 0.15
HSL	22°, 56%, 67%
HSV	22°, 44%, 85%
XYZ	44.7188, 40.7892, 24.2584
YIQ	171.9500, 46.9950, 1.8350

Conversions

Conversions Part 2

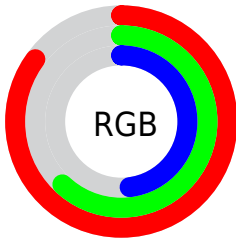
Format	Color
R _Y B	218, 178, 123
Decimal	14327419
CIE Lab	70.03, 18.07, 27.08
CIE LCh	70, 32.557, 56.278
Yxy	40.7892, 0.4074, 0.3716
Android (android.graphics.Color)	4292517499 (0xFFDA9E7B)
YUV	171.9500, -24.1323, 40.3859
Hunter-Lab	63.8664, 13.2183, 22.1864

Details

The Yxy color **40.7892, 0.4074, 0.3716** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **43.1518, 0.2459, 0.2809**, and the grayscale version is **41.3366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9831, 0.3718, 0.3673**, and **18.3795, 0.4359, 0.3799** is the 20% darker color. If you saturate the color by 10%, you get **35.8664, 0.4380, 0.3805**, and if you desaturate by 10%, it is **46.3640, 0.3801, 0.3617**.

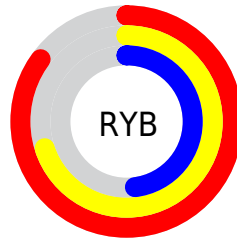
Distribution



Red (85%)

Green (62%)

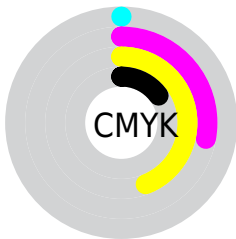
Blue (48%)



Red (85%)

Yellow (70%)

Blue (48%)

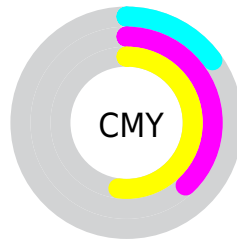


Cyan (0%)

Magenta (28%)

Yellow (44%)

Black (15%)



Cyan (15%)


Magenta (38%)


Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7892, 0.4074, 0.3716 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 40.7892, 0.4074, 0.3716 by changing the saturation by 10% instead.


 40.7892, 0.4074,
0.3716

 40.7892, 0.4074,
0.3716


349.4388, 0.3588,
0.3518


 28.1544, 0.4197,
0.3759


 76.3638, 0.3896,
0.3648

 18.4421, 0.4355,
0.3809


 100.0724, 0.3829,
0.3622

 11.2678, 0.4564,
0.3867


 128.2410, 0.3773,
0.3599

 6.2473, 0.4849,
0.3928

161.2541, 0.3725,
0.3578

 2.9960, 0.5298,
0.4006

199.4960, 0.3684,
0.3560

 1.1297, 0.5980,
0.4020

243.3512, 0.3648,

 0.0031, 0.9931,

0.3545

0.0069

293.2040, 0.3616,
0.3531

0.0000, 0.0000,
0.0000

40.7892, 0.4074,
0.3716

40.7892, 0.4074,
0.3716

35.8664, 0.4380,
0.3805

46.3640, 0.3801,
0.3617

31.5644, 0.4710,
0.3873

52.6089, 0.3563,
0.3516

27.8576, 0.5050,
0.3908

59.5485, 0.3358,
0.3416

24.7163, 0.5373,
0.3897


67.2041, 0.3183,
0.3322

22.1069, 0.5651,
0.3834

75.5963, 0.3034,
0.3234

 20.6874, 0.5803,
0.3774

 84.7447, 0.2907,
0.3154

 93.2680, 0.2906,
0.3283

 93.6474, 0.2906,
0.3289

Harmonies

Analogous

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



40.7892, 0.3984, 0.3340



40.7892, 0.4074, 0.3716



40.7892, 0.3890, 0.4023

Triad

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



40.7892, 0.4074, 0.3716



40.7892, 0.2611, 0.3617



40.7892, 0.2710, 0.2543

Complementary

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



40.7892, 0.4074, 0.3716



43.1518, 0.2459, 0.2809

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.



40.7892, 0.2392, 0.2560



40.7892, 0.4074, 0.3716



40.7892, 0.2336, 0.3143

Square

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



40.7892, 0.4074, 0.3716



40.7892, 0.3035, 0.4009



40.7892, 0.2261, 0.2763



40.7892, 0.3164, 0.2694

Rectangle

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



40.7892, 0.4074, 0.3716



40.7892, 0.3649, 0.4137



40.7892, 0.2261, 0.2763



40.7892, 0.2585, 0.2529

Sweetspot

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



40.7912, 0.4074, 0.3716



85.4049, 0.3350, 0.3412



32.5025, 0.3540, 0.2582



17.7875, 0.3392, 0.3434



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.



40.7912, 0.4074, 0.3716



51.8896, 0.4344, 0.3796



60.1661, 0.3830, 0.4235



13.8330, 0.3282, 0.3377



12.5810, 0.5776, 0.3795



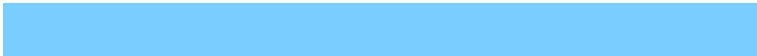
0.9765, 0.5467, 0.4041

Inverse Universe

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



43.1518, 0.2459, 0.2809



55.6091, 0.2335, 0.2691



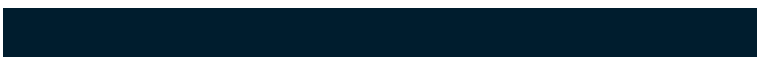
26.7923, 0.2342, 0.2121



13.9813, 0.2982, 0.3202



14.0854, 0.1901, 0.2043



1.0750, 0.1964, 0.2269

Previews

White Background



This preview shows how the Yxy color 40.7892, 0.4074, 0.3716 looks on a white background.

Color Contrast Check

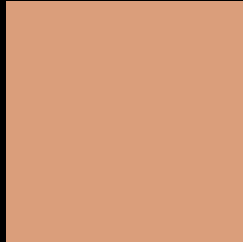
Large Text (above 18pt) WCAG AA × Fail

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 40.7892, 0.4074, 0.3716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

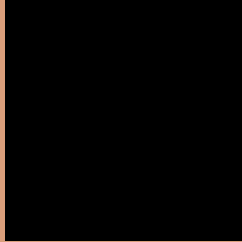
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7892, 0.4074, 0.3716

Background



This preview shows how black text looks on a background with the Yxy color 40.7892, 0.4074, 0.3716.



This preview shows how white text looks on a background with the Yxy color 40.7892, 0.4074, 0.3716.

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

40.7892, 0.4074, 0.3716

Protanopia

40.9011, 0.3618, 0.3864

Deuteranopia

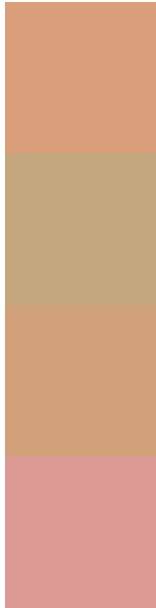
40.7934, 0.3912, 0.3828



Tritanopia

40.6664, 0.3720, 0.3149

Trichromacy



Original Color

40.7892, 0.4074, 0.3716

Protanomaly

40.5405, 0.3776, 0.3805

Deuteranomaly

40.8011, 0.3972, 0.3793

Tritanomaly

40.6533, 0.3859, 0.3352

Monochromacy



Original Color

40.7892, 0.4074, 0.3716

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.7893, 0.3452, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7892, 0.4074, 0.3716 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(218, 158, 123)` looks like.

```
.text, #text, p{  
    color:rgb(218, 158, 123)  
}
```

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(218, 158, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 158, 123) }
```

Border

The CSS property to change the border of an element to Yxy 40.7892, 0.4074, 0.3716 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(218, 158, 123) }
```

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

```
.border{ border-color:rgb(218, 158, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 158, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 158, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 158, 123);  
box-shadow:4px 4px 4px 4px rgb(218, 158,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7892, 0.4074, 0.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 158, 123) }
```

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

```
.background{ background-color: rgb(218,  
158, 123) }
```

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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