

Converting Colors

$Yxy(46.5370, 0.3889, 0.3800)$

Have a look what the booklet for
Yxy(46.5370, 0.3889, 0.3800)
contains.

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Color

Yxy(46.5370, 0.3889, 0.3800)

Conversions

Conversions Part 1

Format	Color
Hex	D8AE84
RGB	216, 174, 132
RGB Percent	85%, 68%, 52%
CMY	0.1528, 0.3177, 0.4823
CMYK	0.00, 0.19, 0.39, 0.15
HSL	30°, 52%, 68%
HSV	30°, 39%, 85%
XYZ	47.6269, 46.5370, 28.3018
YIQ	181.7700, 38.5140, -4.1580

Conversions

Conversions Part 2

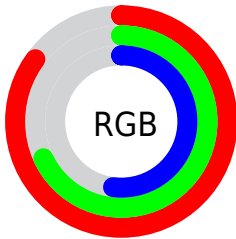
Format	Color
R _Y B	216, 216, 132
Decimal	14200452
CIE Lab	73.89, 9.67, 27.35
CIE LCh	74, 29.008, 70.528
Yxy	46.5370, 0.3889, 0.3800
Android (android.graphics.Color)	4292390532 (0xFFD8AE84)
YUV	181.7700, -24.5366, 30.0197
Hunter-Lab	68.2180, 5.2396, 23.1548

Details

The Yxy color **46.5370, 0.3889, 0.3800** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **40.1530, 0.2504, 0.2713**, and the grayscale version is **46.7702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8014, 0.3609, 0.3737**, and **22.0018, 0.4104, 0.3929** is the 20% darker color. If you saturate the color by 10%, you get **41.9985, 0.4142, 0.3928**, and if you desaturate by 10%, it is **51.5384, 0.3658, 0.3665**.

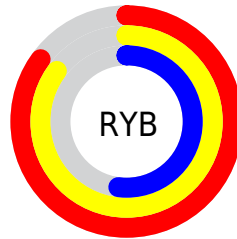
Distribution



Red (85%)

Green (68%)

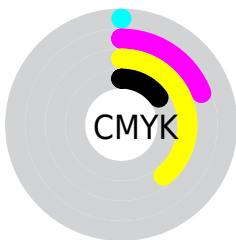
Blue (52%)



Red (85%)

Yellow (85%)

Blue (52%)

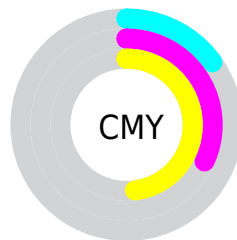


Cyan (0%)

Magenta (19%)

Yellow (39%)

Black (15%)



Cyan (15%)


Magenta (32%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5370, 0.3889, 0.3800 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 46.5370, 0.3889, 0.3800 by changing the saturation by 10% instead.


 46.5370, 0.3889,
0.3800


 46.5370, 0.3889,
0.3800


372.9634, 0.3508,
0.3556


 32.6698, 0.3983,
0.3856

 85.0221, 0.3751,
0.3715

 21.8736, 0.4101,
0.3925


 110.4088, 0.3699,
0.3682

 13.7641, 0.4256,
0.4010


 140.4040, 0.3655,
0.3653

 7.9567, 0.4463,
0.4115

175.3923, 0.3618,
0.3629

 4.0673, 0.4750,
0.4241

215.7580, 0.3585,
0.3607

 1.7113, 0.5415,
0.4585

261.8855, 0.3556,

 0.4309, 0.5997,

0.3588

0.4003

314.1591, 0.3531,
0.3571

0.0000, 0.0000,
0.0000

46.5370, 0.3889,
0.3800

46.5370, 0.3889,
0.3800

41.9985, 0.4142,
0.3928

51.5384, 0.3658,
0.3665

37.9008, 0.4413,
0.4038

57.0106, 0.3452,
0.3531

34.2296, 0.4689,
0.4120

62.9697, 0.3270,
0.3400

30.9666, 0.4957,
0.4160

69.4288, 0.3111,
0.3277

28.0916, 0.5198,
0.4148

76.4004, 0.2972,
0.3162

■ 25.5776, 0.5401,
0.4084

■ 83.4630, 0.2888,
0.3122

■ 25.3195, 0.5423,
0.4076

■ 89.9761, 0.2892,
0.3235

■ 93.3439, 0.2894,
0.3289

Harmonies

Analogous

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



46.5370, 0.3923, 0.3496



46.5370, 0.3889, 0.3800



46.5370, 0.3643, 0.3994

Triad

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



46.5370, 0.3889, 0.3800



46.5370, 0.2553, 0.3378



46.5370, 0.2947, 0.2689

Complementary

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



46.5370, 0.3889, 0.3800



40.1530, 0.2504, 0.2713

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.



46.5370, 0.2607, 0.2633



46.5370, 0.3889, 0.3800



46.5370, 0.2392, 0.3000

Square

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



46.5370, 0.3889, 0.3800



46.5370, 0.2868, 0.3759



46.5370, 0.2411, 0.2737



46.5370, 0.3359, 0.2880

Rectangle

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



46.5370, 0.3889, 0.3800



46.5370, 0.3400, 0.4018



46.5370, 0.2411, 0.2737



46.5370, 0.2821, 0.2654

Sweetspot

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



46.5392, 0.3889, 0.3800



88.8021, 0.3326, 0.3441



34.2182, 0.3588, 0.2768



18.7602, 0.3349, 0.3458



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.



46.5392, 0.3889, 0.3800



62.0620, 0.4104, 0.3910



64.6836, 0.3713, 0.4236



13.4358, 0.3279, 0.3407



15.1975, 0.5399, 0.4095



1.0822, 0.5136, 0.4304

Inverse Universe

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



40.1530, 0.2504, 0.2713



51.4625, 0.2367, 0.2559



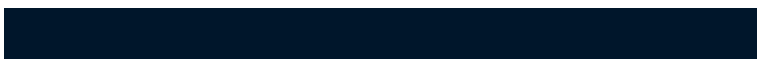
26.7503, 0.2416, 0.2129



13.0249, 0.2982, 0.3171



9.5064, 0.1775, 0.1588



0.7389, 0.1862, 0.1901

Previews

White Background



This preview shows how the Yxy color 46.5370, 0.3889, 0.3800 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 46.5370, 0.3889, 0.3800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

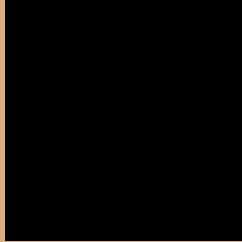
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.5370, 0.3889, 0.3800

Background



This preview shows how black text looks on a background with the Yxy color 46.5370, 0.3889, 0.3800.



This preview shows how white text looks on a background with the Yxy color 46.5370, 0.3889, 0.3800.

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

46.5370, 0.3889, 0.3800

Protanopia

46.8073, 0.3632, 0.3898

Deuteranopia

46.3851, 0.3879, 0.3802



Tritanopia

46.6727, 0.3513, 0.3150

Trichromacy



Original Color

46.5370, 0.3889, 0.3800

Protanomaly

46.6579, 0.3727, 0.3859

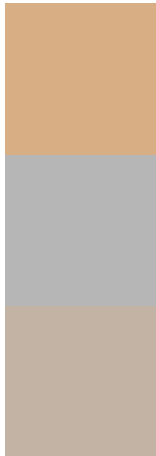
Deuteranomaly

46.3851, 0.3879, 0.3802

Tritanomaly

46.4539, 0.3648, 0.3375

Monochromacy



Original Color

46.5370, 0.3889, 0.3800

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.3899, 0.3385, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5370, 0.3889, 0.3800 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(216, 174, 132)` looks like.

```
.text, #text, p{  
    color:rgb(216, 174, 132)  
}
```

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(216, 174, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 174, 132) }
```

Border

The CSS property to change the border of an element to Yxy 46.5370, 0.3889, 0.3800 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(216, 174, 132) }
```

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

```
.border{ border-color:rgb(216, 174, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 174, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 174, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 174, 132); box-shadow:4px 4px 4px 4px rgb(216, 174, 132) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5370, 0.3889, 0.3800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 174, 132) }
```

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

```
.background{ background-color: rgb(216,  
174, 132) }
```

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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