

Converting Colors

$Yxy(47.7917, 0.3868, 0.3746)$

Have a look what the booklet for
Yxy(47.7917, 0.3868, 0.3746)
contains.

Yxy(47.6817, 0.3877, 0.3745)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.6817, 0.3877, 0.3745)

Conversions

Conversions Part 1

Format	Color
Hex	DCAF89
RGB	220, 175, 137
RGB Percent	86%, 69%, 54%
CMY	0.1372, 0.3137, 0.4627
CMYK	0.00, 0.20, 0.38, 0.14
HSL	27°, 54%, 70%
HSV	27°, 38%, 86%
XYZ	49.3623, 47.6817, 30.2769
YIQ	184.1230, 39.0180, -2.2780

Conversions

Conversions Part 2

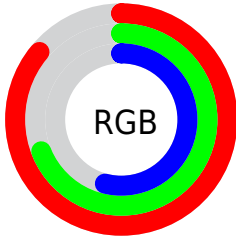
Format	Color
R _Y B	220, 207, 137
Decimal	14462857
CIE Lab	74.62, 11.28, 25.71
CIE LCh	75, 28.074, 66.300
Yxy	47.6817, 0.3877, 0.3745
Android (android.graphics.Color)	4292652937 (0xFFDCAF89)
YUV	184.1230, -23.2316, 31.4641
Hunter-Lab	69.0519, 6.7613, 22.3397

Details

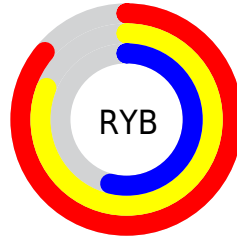
The Yxy color **47.6817, 0.3877, 0.3745** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **43.9531, 0.2530, 0.2782**, and the grayscale version is **48.1211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1734, 0.3563, 0.3695**, and **22.6406, 0.4075, 0.3859** is the 20% darker color. If you saturate the color by 10%, you get **42.6744, 0.4140, 0.3864**, and if you desaturate by 10%, it is **53.2326, 0.3641, 0.3621**.

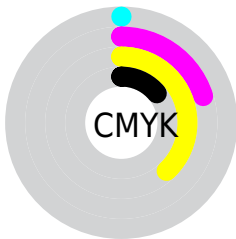
Distribution



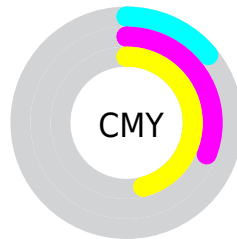
- Red (86%)
- Green (69%)
- Blue (54%)



- Red (86%)
- Yellow (81%)
- Blue (54%)



- Cyan (0%)
- Magenta (20%)
- Yellow (38%)
- Black (14%)





- Cyan (14%)
- Magenta (31%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6817, 0.3877, 0.3745 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 47.6817, 0.3877, 0.3745 by changing the saturation by 10% instead.


 47.6817, 0.3877,
0.3745


 47.6817, 0.3877,
0.3745


377.5291, 0.3503,
0.3530


 33.5749, 0.3969,
0.3794

 86.7303, 0.3742,
0.3670

 22.5672, 0.4086,
0.3854


 112.4409, 0.3691,
0.3641

 14.2743, 0.4238,
0.3928


 142.7882, 0.3647,
0.3616

 8.3117, 0.4444,
0.4019

178.1566, 0.3610,
0.3594

 4.2950, 0.4732,
0.4128

218.9304, 0.3578,
0.3575

 1.8399, 0.5487,
0.4513

265.4942, 0.3550,

 0.5119, 0.5982,

0.3558

0.4018

318.2323, 0.3525,
0.3543

0.0000, 0.0000,
0.0000

47.6817, 0.3877,
0.3745

47.6817, 0.3877,
0.3745

42.6744, 0.4140,
0.3864

53.2326, 0.3641,
0.3621

38.1855, 0.4424,
0.3967

59.3377, 0.3433,
0.3497

34.1976, 0.4720,
0.4043

66.0158, 0.3251,
0.3377

30.6892, 0.5011,
0.4079

73.2826, 0.3093,
0.3265

27.6366, 0.5277,
0.4064

81.1532, 0.2957,
0.3161

■ 25.0110, 0.5501,
0.3995

■ 88.7055, 0.2915,
0.3204

■ 24.4643, 0.5549,
0.3976

■ 93.9560, 0.2917,
0.3289

Harmonies

Analogous

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



47.6817, 0.3877, 0.3445



47.6817, 0.3877, 0.3745



47.6817, 0.3666, 0.3950

Triad

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



47.6817, 0.3877, 0.3745



47.6817, 0.2610, 0.3430



47.6817, 0.2903, 0.2695

Complementary

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



47.6817, 0.3877, 0.3745



43.9531, 0.2530, 0.2782

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.



47.6817, 0.2591, 0.2663



47.6817, 0.3877, 0.3745



47.6817, 0.2431, 0.3059

Square

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



47.6817, 0.3877, 0.3745



47.6817, 0.2930, 0.3782



47.6817, 0.2425, 0.2786



47.6817, 0.3294, 0.2863

Rectangle

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



47.6817, 0.3877, 0.3745



47.6817, 0.3443, 0.3991



47.6817, 0.2425, 0.2786



47.6817, 0.2786, 0.2668

Sweetspot

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



47.6839, 0.3877, 0.3745



88.9990, 0.3309, 0.3417



36.5188, 0.3541, 0.2752



18.7742, 0.3334, 0.3433



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.



47.6839, 0.3877, 0.3745



61.1996, 0.4076, 0.3837



66.0596, 0.3707, 0.4182



14.0285, 0.3280, 0.3397



14.5747, 0.5523, 0.3996



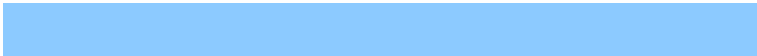
1.1152, 0.5252, 0.4212

Inverse Universe

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



43.9531, 0.2530, 0.2782



55.2833, 0.2410, 0.2657



29.5884, 0.2446, 0.2207



13.7813, 0.2982, 0.3180



11.0442, 0.1814, 0.1729



0.8871, 0.1890, 0.2005

Previews

White Background



This preview shows how the Yxy color 47.6817, 0.3877, 0.3745 looks on a white background.

Color Contrast Check

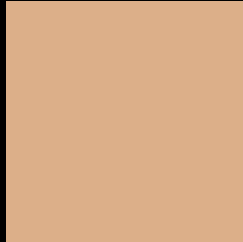
Large Text (above 18pt) WCAG AA × Fail

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 47.6817, 0.3877, 0.3745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

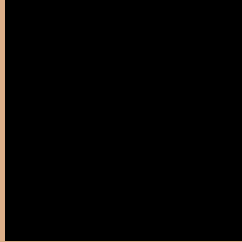
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

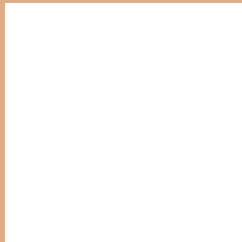
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.6817, 0.3877, 0.3745

Background



This preview shows how black text looks on a background with the Yxy color 47.6817, 0.3877, 0.3745.



This preview shows how white text looks on a background with the Yxy color 47.6817, 0.3877, 0.3745.

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

47.6817, 0.3877, 0.3745

Protanopia

47.9398, 0.3584, 0.3843

Deuteranopia

47.6085, 0.3845, 0.3762



Tritanopia

47.7609, 0.3530, 0.3140

Trichromacy



Original Color

47.6817, 0.3877, 0.3745

Protanomaly

47.9203, 0.3686, 0.3804

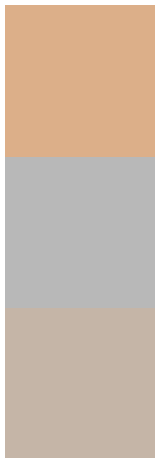
Deuteranomaly

47.7622, 0.3854, 0.3760

Tritanomaly

47.5670, 0.3654, 0.3351

Monochromacy



Original Color

47.6817, 0.3877, 0.3745

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.7081, 0.3382, 0.3468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6817, 0.3877, 0.3745 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(220, 175, 137)` looks like.

```
.text, #text, p{  
    color:rgb(220, 175, 137)  
}
```

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(220, 175, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 175, 137) }
```

Border

The CSS property to change the border of an element to Yxy 47.6817, 0.3877, 0.3745 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(220, 175, 137) }
```

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

```
.border{ border-color:rgb(220, 175, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 175, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 175, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 175, 137);  
box-shadow:4px 4px 4px 4px rgb(220, 175,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6817, 0.3877, 0.3745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 175, 137) }
```

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

```
.background{ background-color: rgb(220,  
175, 137) }
```

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