

Converting Colors

$Yxy(46.7731, 0.3871, 0.3763)$

Have a look what the booklet for
Yxy(46.7731, 0.3871, 0.3763)
contains.

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Color

Yxy(46.7731, 0.3871, 0.3763)

Conversions

Conversions Part 1

Format	Color
Hex	D9AE87
RGB	217, 174, 135
RGB Percent	85%, 68%, 53%
CMY	0.1492, 0.3176, 0.4706
CMYK	0.00, 0.20, 0.38, 0.15
HSL	29°, 52%, 69%
HSV	29°, 38%, 85%
XYZ	48.1155, 46.7731, 29.4088
YIQ	182.4110, 38.1470, -3.0130

Conversions

Conversions Part 2

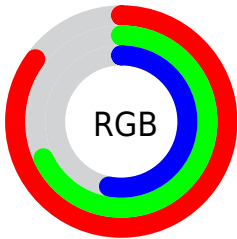
Format	Color
RYB	217, 209, 135
Decimal	14265991
CIELab	74.04, 10.37, 25.97
CIELCh	74, 27.961, 68.233
Yxy	46.7731, 0.3871, 0.3763
Android (android.graphics.Color)	4292456071 (0xFFD9AE87)
YUV	182.4110, -23.3736, 30.3346
Hunter-Lab	68.3909, 5.8974, 22.3783

Details

The Yxy color **46.7731, 0.3871, 0.3763** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **41.9703, 0.2526, 0.2760**, and the grayscale version is **47.1286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9727, 0.3581, 0.3696**, and **22.1520, 0.4081, 0.3880** is the 20% darker color. If you saturate the color by 10%, you get **42.0173, 0.4128, 0.3886**, and if you desaturate by 10%, it is **52.0295, 0.3638, 0.3634**.

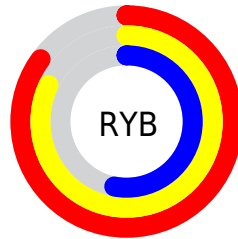
Distribution



Red (85%)

Green (68%)

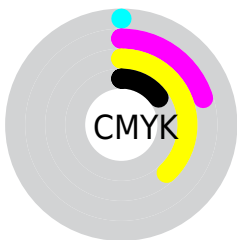
Blue (53%)



Red (85%)

Yellow (82%)

Blue (53%)

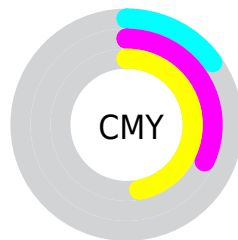


Cyan (0%)

Magenta (20%)

Yellow (38%)

Black (15%)



Cyan (15%)


Magenta (32%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7731, 0.3871, 0.3763 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 46.7731, 0.3871, 0.3763 by changing the saturation by 10% instead.


 46.7731, 0.3871,
0.3763


 46.7731, 0.3871,
0.3763


373.9081, 0.3499,
0.3537


 32.8563, 0.3963,
0.3815


 85.3748, 0.3736,
0.3684

 22.0164, 0.4079,
0.3878


 110.8286, 0.3686,
0.3654

 13.8689, 0.4231,
0.3957


 140.8968, 0.3643,
0.3627

 8.0296, 0.4437,
0.4055

175.9638, 0.3606,
0.3605

 4.1139, 0.4724,
0.4172

216.4140, 0.3574,
0.3585

 1.7375, 0.5449,
0.4551

262.6319, 0.3546,

 0.4477, 0.6025,

0.3567

0.3975

315.0018, 0.3521,
0.3551

0.0000, 0.0000,
0.0000

46.7731, 0.3871,
0.3763

46.7731, 0.3871,
0.3763

42.0173, 0.4128,
0.3886

52.0295, 0.3638,
0.3634

37.7386, 0.4406,
0.3994

57.7956, 0.3432,
0.3505

33.9213, 0.4693,
0.4074

64.0887, 0.3251,
0.3382

30.5460, 0.4974,
0.4114

70.9229, 0.3094,
0.3265

27.5909, 0.5231,
0.4103

78.3121, 0.2958,
0.3156

■ 25.0296, 0.5448,
0.4038

■ 85.5972, 0.2895,
0.3158

■ 24.5083, 0.5493,
0.4020

■ 92.5823, 0.2899,
0.3275

■ 93.4860, 0.2900,
0.3289

Harmonies

Analogous

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



46.7731, 0.3886, 0.3466



46.7731, 0.3871, 0.3763



46.7731, 0.3648, 0.3960

Triad

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



46.7731, 0.3871, 0.3763



46.7731, 0.2593, 0.3405



46.7731, 0.2926, 0.2701

Complementary

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



46.7731, 0.3871, 0.3763



41.9703, 0.2526, 0.2760

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.



46.7731, 0.2606, 0.2659



46.7731, 0.3871, 0.3763



46.7731, 0.2423, 0.3037

Square

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



46.7731, 0.3871, 0.3763



46.7731, 0.2906, 0.3764



46.7731, 0.2429, 0.2772



46.7731, 0.3321, 0.2877

Rectangle

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



46.7731, 0.3871, 0.3763



46.7731, 0.3419, 0.3992



46.7731, 0.2429, 0.2772



46.7731, 0.2807, 0.2670

Sweetspot

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



46.7753, 0.3871, 0.3763



89.3040, 0.3309, 0.3422



35.3134, 0.3556, 0.2767



18.8468, 0.3333, 0.3439



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.



46.7753, 0.3871, 0.3763



62.1417, 0.4065, 0.3858



64.7047, 0.3702, 0.4197



14.0692, 0.3280, 0.3402



15.0504, 0.5470, 0.4039



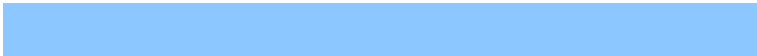
1.1469, 0.5208, 0.4247

Inverse Universe

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



41.9703, 0.2526, 0.2760



54.2928, 0.2405, 0.2630



28.2545, 0.2442, 0.2186



13.7403, 0.2982, 0.3176



10.4863, 0.1796, 0.1666



0.8516, 0.1875, 0.1950

Previews

White Background



This preview shows how the Yxy color 46.7731, 0.3871, 0.3763 looks on a white background.

Color Contrast Check

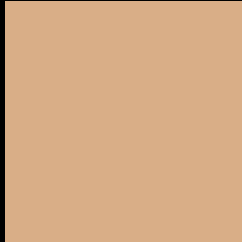
Large Text (above 18pt) WCAG AA × Fail

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 46.7731, 0.3871, 0.3763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

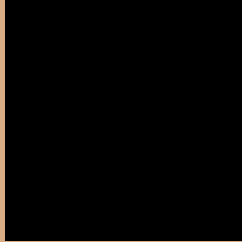
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7731, 0.3871, 0.3763

Background



This preview shows how black text looks on a background with the Yxy color 46.7731, 0.3871, 0.3763.



This preview shows how white text looks on a background with the Yxy color 46.7731, 0.3871, 0.3763.

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

46.7731, 0.3871, 0.3763

Protanopia

46.9221, 0.3598, 0.3847

Deuteranopia

46.8563, 0.3848, 0.3778



Tritanopia

46.8711, 0.3513, 0.3139

Trichromacy



Original Color

46.7731, 0.3871, 0.3763

Protanomaly

46.7717, 0.3692, 0.3809

Deuteranomaly

47.0081, 0.3857, 0.3776

Tritanomaly

46.6454, 0.3648, 0.3363

Monochromacy



Original Color

46.7731, 0.3871, 0.3763

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.5589, 0.3385, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7731, 0.3871, 0.3763 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(217, 174, 135)` looks like.

```
.text, #text, p{  
    color:rgb(217, 174, 135)  
}
```

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(217, 174, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 174, 135) }
```

Border

The CSS property to change the border of an element to Yxy 46.7731, 0.3871, 0.3763 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(217, 174, 135) }
```

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

```
.border{ border-color:rgb(217, 174, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 174, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 174, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 174, 135);  
box-shadow:4px 4px 4px 4px rgb(217, 174,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7731, 0.3871, 0.3763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 174, 135) }
```

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

```
.background{ background-color: rgb(217,  
174, 135) }
```

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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