

Converting Colors

$Y_{xy}(46.1770, 0.4069, 0.3863)$

Have a look what the booklet for
Yxy(46.1770, 0.4069, 0.3863)
contains.

Yxy(46.3783, 0.4068, 0.3865)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.3783, 0.4068, 0.3865)

Conversions

Conversions Part 1

Format	Color
Hex	E0AB7A
RGB	224, 171, 122
RGB Percent	88%, 67%, 48%
CMY	0.1216, 0.3294, 0.5214
CMYK	0.00, 0.24, 0.46, 0.12
HSL	29°, 62%, 68%
HSV	29°, 46%, 88%
XYZ	48.8142, 46.3783, 24.8031
YIQ	181.2610, 47.3170, -4.0030

Conversions

Conversions Part 2

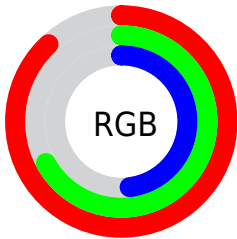
Format	Color
RYB	224, 216, 122
Decimal	14723962
CIELab	73.79, 13.38, 32.67
CIElCh	74, 35.301, 67.720
Yxy	46.3783, 0.4068, 0.3865
Android (android.graphics.Color)	4292914042 (0xFFE0AB7A)
YUV	181.2610, -29.2157, 37.4821
Hunter-Lab	68.1016, 8.7683, 26.0773

Details

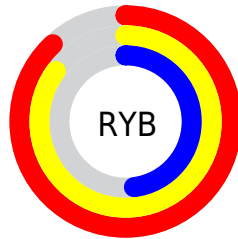
The Yxy color **46.3783, 0.4068, 0.3865** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **40.1850, 0.2401, 0.2621**, and the grayscale version is **46.5013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7479, 0.3686, 0.3810**, and **21.8770, 0.4335, 0.4001** is the 20% darker color. If you saturate the color by 10%, you get **41.6822, 0.4341, 0.3978**, and if you desaturate by 10%, it is **51.5940, 0.3816, 0.3739**.

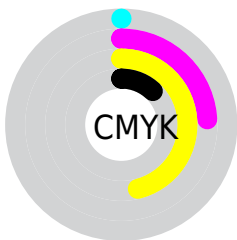
Distribution



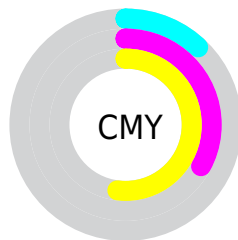
- Red (88%)
- Green (67%)
- Blue (48%)



- Red (88%)
- Yellow (85%)
- Blue (48%)



- Cyan (0%)
- Magenta (24%)
- Yellow (46%)
- Black (12%)




- Cyan (12%)
- Magenta (33%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3783, 0.4068, 0.3865 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 46.3783, 0.4068, 0.3865 by changing the saturation by 10% instead.

 46.3783, 0.4068,
0.3865


 46.3783, 0.4068,
0.3865


372.3275, 0.3599,
0.3597

 32.5444, 0.4182,
0.3924


 84.7849, 0.3899,
0.3773

 21.7777, 0.4325,
0.3993


 110.1264, 0.3835,
0.3737

 13.6936, 0.4509,
0.4076


 140.0726, 0.3781,
0.3706

 7.9079, 0.4751,
0.4169

175.0078, 0.3734,
0.3678

 4.0361, 0.5099,
0.4282

215.3166, 0.3694,
0.3654

 1.6938, 0.5613,
0.4387

261.3831, 0.3658,

 0.4196, 0.6336,

0.3633

0.3664

313.5920, 0.3627,
0.3614

0.0000, 0.0000,
0.0000

46.3783, 0.4068,
0.3865

46.3783, 0.4068,
0.3865

41.6822, 0.4341,
0.3978

51.5940, 0.3816,
0.3739

37.4802, 0.4626,
0.4067

57.3402, 0.3590,
0.3608

33.7541, 0.4908,
0.4117

63.6359, 0.3389,
0.3479

30.4814, 0.5170,
0.4118

70.4968, 0.3214,
0.3355

27.6363, 0.5393,
0.4064

77.9379, 0.3061,
0.3239

■ 26.4852, 0.5484,
0.4028

■ 85.8815, 0.2937,
0.3145

■ 92.9874, 0.2940,
0.3264

■ 94.5846, 0.2940,
0.3289

Harmonies

Analogous

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



46.3783, 0.4088, 0.3490



46.3783, 0.4068, 0.3865



46.3783, 0.3784, 0.4131

Triad

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



46.3783, 0.4068, 0.3865



46.3783, 0.2460, 0.3440



46.3783, 0.2861, 0.2558

Complementary

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



46.3783, 0.4068, 0.3865



40.1850, 0.2401, 0.2621

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.



46.3783, 0.2469, 0.2505



46.3783, 0.4068, 0.3865



46.3783, 0.2253, 0.2967

Square

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



46.3783, 0.4068, 0.3865



46.3783, 0.2850, 0.3907



46.3783, 0.2257, 0.2639



46.3783, 0.3359, 0.2771

Rectangle

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



46.3783, 0.4068, 0.3865



46.3783, 0.3495, 0.4187



46.3783, 0.2257, 0.2639



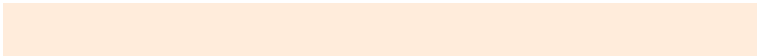
46.3783, 0.2714, 0.2521

Sweetspot

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



46.3805, 0.4068, 0.3865



86.6405, 0.3363, 0.3461



32.9237, 0.3683, 0.2661



18.1331, 0.3404, 0.3488



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.



46.3805, 0.4068, 0.3865



55.9988, 0.4337, 0.3977



68.7447, 0.3815, 0.4371



14.7816, 0.3280, 0.3403



15.6465, 0.5459, 0.4047



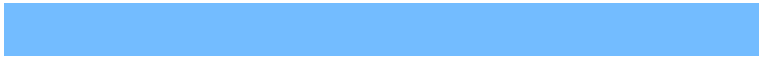
1.2631, 0.5213, 0.4243

Inverse Universe

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



40.1850, 0.2401, 0.2621



46.6548, 0.2251, 0.2443



24.2990, 0.2276, 0.1916



14.4157, 0.2981, 0.3175



10.6879, 0.1792, 0.1649



0.9199, 0.1867, 0.1921

Previews

White Background



This preview shows how the Yxy color 46.3783, 0.4068, 0.3865 looks on a white background.

Color Contrast Check

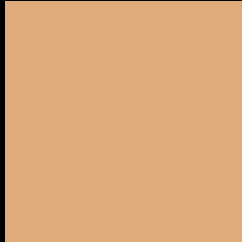
Large Text (above 18pt) WCAG AA × Fail

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 46.3783, 0.4068, 0.3865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

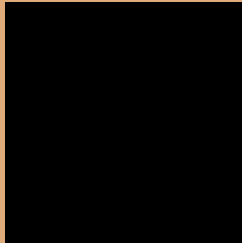
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3783, 0.4068, 0.3865

Background



This preview shows how black text looks on a background with the Yxy color 46.3783, 0.4068, 0.3865.



This preview shows how white text looks on a background with the Yxy color 46.3783, 0.4068, 0.3865.

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

46.3783, 0.4068, 0.3865

Protanopia

46.6980, 0.3715, 0.4011

Deuteranopia

46.5580, 0.4004, 0.3925



Tritanopia

46.3833, 0.3625, 0.3142

Trichromacy



Original Color

46.3783, 0.4068, 0.3865

Protanomaly

46.4433, 0.3836, 0.3952

Deuteranomaly

46.4833, 0.4028, 0.3908

Tritanomaly

46.4026, 0.3789, 0.3409

Monochromacy



Original Color

46.3783, 0.4068, 0.3865

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.8527, 0.3451, 0.3509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3783, 0.4068, 0.3865 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(224, 171, 122)` looks like.

```
.text, #text, p{  
    color:rgb(224, 171, 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(224, 171, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 171, 122) }
```

Border

The CSS property to change the border of an element to Yxy 46.3783, 0.4068, 0.3865 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(224, 171, 122) }
```

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

```
.border{ border-color:rgb(224, 171, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 171, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 171, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 171, 122);  
box-shadow:4px 4px 4px 4px rgb(224, 171,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3783, 0.4068, 0.3865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 171, 122) }
```

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

```
.background{ background-color: rgb(224,  
171, 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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