

Converting Colors

$Y_{xy}(48.6012, 0.4028, 0.3765)$

Have a look what the booklet for
Yxy(48.6012, 0.4028, 0.3765)
contains.

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Color

Yxy(48.5420, 0.4034, 0.3761)

Conversions

Conversions Part 1

Format	Color
Hex	E7AD84
RGB	231, 173, 132
RGB Percent	91%, 68%, 52%
CMY	0.0941, 0.3216, 0.4823
CMYK	0.00, 0.25, 0.43, 0.09
HSL	25°, 67%, 71%
HSV	25°, 43%, 91%
XYZ	52.0655, 48.5420, 28.4592
YIQ	185.6680, 47.7290, -0.4550

Conversions

Conversions Part 2

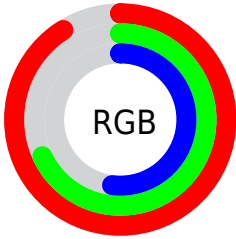
Format	Color
R _Y B	231, 202, 132
Decimal	15183236
CIE Lab	75.17, 16.16, 29.31
CIE LCh	75, 33.465, 61.134
Yxy	48.5420, 0.4034, 0.3761
Android (android.graphics.Color)	4293373316 (0xFFE7AD84)
YUV	185.6680, -26.4583, 39.7562
Hunter-Lab	69.6721, 11.4658, 24.5521

Details

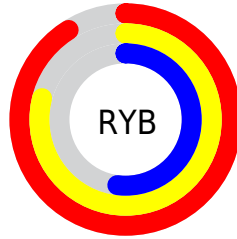
The Yxy color **48.5420, 0.4034, 0.3761** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **47.5104, 0.2457, 0.2756**, and the grayscale version is **49.0401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8014, 0.3609, 0.3737**, and **23.1682, 0.4275, 0.3870** is the 20% darker color. If you saturate the color by 10%, you get **43.0494, 0.4324, 0.3863**, and if you desaturate by 10%, it is **54.7052, 0.3773, 0.3649**.

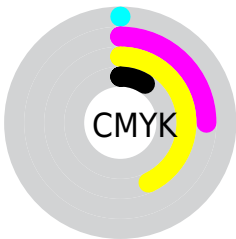
Distribution



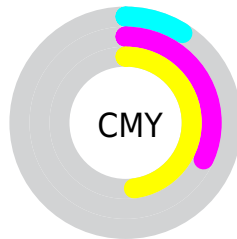
- Red (91%)
- Green (68%)
- Blue (52%)



- Red (91%)
- Yellow (79%)
- Blue (52%)



- Cyan (0%)
- Magenta (25%)
- Yellow (43%)
- Black (9%)




- Cyan (9%)
- Magenta (32%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5420, 0.4034, 0.3761 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 48.5420, 0.4034, 0.3761 by changing the saturation by 10% instead.


 48.5420, 0.4034,
0.3761


 48.5420, 0.4034,
0.3761


380.9365, 0.3583,
0.3545


 34.2563, 0.4144,
0.3808


 88.0108, 0.3872,
0.3688

 23.0906, 0.4283,
0.3863


 113.9628, 0.3810,
0.3659

 14.6604, 0.4462,
0.3928


 144.5723, 0.3758,
0.3633

 8.5814, 0.4701,
0.4001

180.2237, 0.3713,
0.3611

 4.4692, 0.5029,
0.4074

221.3014, 0.3674,
0.3592

 1.9393, 0.5720,
0.4280

268.1898, 0.3640,

 0.5719, 0.6222,

0.3574

0.3778

321.2734, 0.3610,
0.3559

0.0000, 0.0000,
0.0000

48.5420, 0.4034,
0.3761

48.5420, 0.4034,
0.3761

43.0494, 0.4324,
0.3863

54.7052, 0.3773,
0.3649

38.1955, 0.4635,
0.3943

61.5554, 0.3543,
0.3536

33.9558, 0.4953,
0.3990

69.1172, 0.3343,
0.3424

30.3010, 0.5256,
0.3991

77.4114, 0.3172,
0.3319

27.1984, 0.5520,
0.3937

86.4584, 0.3024,
0.3220

■ 25.2922, 0.5680,
0.3872

■ 95.2302, 0.2982,
0.3282

■ 95.7299, 0.2982,
0.3290

Harmonies

Analogous

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



48.5420, 0.3991, 0.3400



48.5420, 0.4034, 0.3761



48.5420, 0.3818, 0.4038

Triad

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



48.5420, 0.4034, 0.3761



48.5420, 0.2571, 0.3533



48.5420, 0.2787, 0.2577

Complementary

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



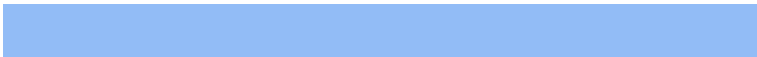
48.5420, 0.4034, 0.3761



47.5104, 0.2457, 0.2756

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.



48.5420, 0.2451, 0.2565



48.5420, 0.4034, 0.3761



48.5420, 0.2333, 0.3080

Square

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



48.5420, 0.4034, 0.3761



48.5420, 0.2966, 0.3937



48.5420, 0.2292, 0.2735



48.5420, 0.3240, 0.2748

Rectangle

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



48.5420, 0.4034, 0.3761



48.5420, 0.3568, 0.4122



48.5420, 0.2292, 0.2735



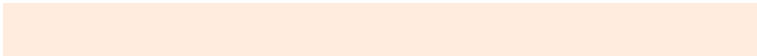
48.5420, 0.2658, 0.2554

Sweetspot

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



48.5443, 0.4034, 0.3761



86.2731, 0.3348, 0.3427



37.2756, 0.3568, 0.2625



18.0007, 0.3389, 0.3451



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.



48.5443, 0.4034, 0.3761



54.8992, 0.4276, 0.3848



70.4255, 0.3806, 0.4254



15.3434, 0.3282, 0.3388



14.4099, 0.5652, 0.3894



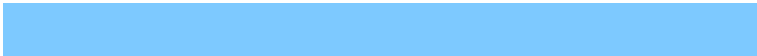
1.2445, 0.5391, 0.4102

Inverse Universe

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



47.5104, 0.2457, 0.2756



53.4198, 0.2333, 0.2628



29.9963, 0.2346, 0.2094



15.2835, 0.2981, 0.3190



13.2542, 0.1855, 0.1877



1.1616, 0.1918, 0.2104

Previews

White Background



This preview shows how the Yxy color 48.5420, 0.4034, 0.3761 looks on a white background.

Color Contrast Check

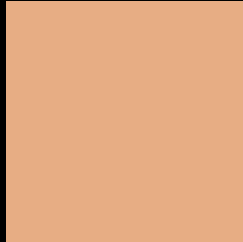
Large Text (above 18pt) WCAG AA × Fail

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 48.5420, 0.4034, 0.3761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

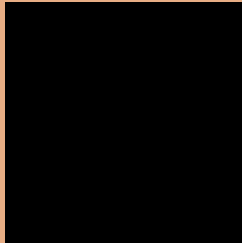
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5420, 0.4034, 0.3761

Background



This preview shows how black text looks on a background with the Yxy color 48.5420, 0.4034, 0.3761.



This preview shows how white text looks on a background with the Yxy color 48.5420, 0.4034, 0.3761.

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

48.5420, 0.4034, 0.3761

Protanopia

48.6462, 0.3641, 0.3900

Deuteranopia

48.8516, 0.3925, 0.3848



Tritanopia

48.5543, 0.3655, 0.3156

Trichromacy



Original Color

48.5420, 0.4034, 0.3761

Protanomaly

48.6459, 0.3785, 0.3855

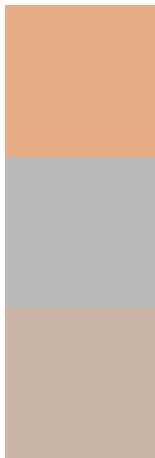
Deuteranomaly

48.6969, 0.3972, 0.3817

Tritanomaly

48.4770, 0.3800, 0.3372

Monochromacy



Original Color

48.5420, 0.4034, 0.3761

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.3575, 0.3436, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5420, 0.4034, 0.3761 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(231, 173, 132)` looks like.

```
.text, #text, p{  
    color:rgb(231, 173, 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(231, 173, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 173, 132) }
```

Border

The CSS property to change the border of an element to Yxy 48.5420, 0.4034, 0.3761 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(231, 173, 132) }
```

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

```
.border{ border-color:rgb(231, 173, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 173, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 173, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 173, 132);  
box-shadow:4px 4px 4px 4px rgb(231, 173,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5420, 0.4034, 0.3761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 173, 132) }
```

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

```
.background{ background-color: rgb(231,  
173, 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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