

# Converting Colors

$Y_{xy}(46.1444, 0.3994, 0.3724)$

Have a look what the booklet for  
Yxy(46.1444, 0.3994, 0.3724)  
contains.

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# Color

**Yxy(46.0494, 0.3998, 0.3727)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E1A984
RGB	225, 169, 132
RGB Percent	88%, 66%, 52%
CMY	0.1177, 0.3372, 0.4824
CMYK	0.00, 0.25, 0.41, 0.12
HSL	24°, 61%, 70%
HSV	24°, 41%, 88%
XYZ	49.3978, 46.0494, 28.1090
YIQ	181.5260, 45.2530, 0.3650

# Conversions

## Conversions Part 2

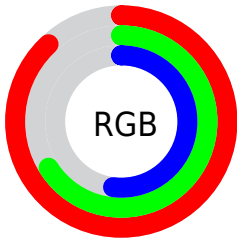
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 193, 132
Decimal	14788996
CIE <sub>Lab</sub>	73.58, 15.89, 27.10
CIE <sub>LCh</sub>	74, 31.412, 59.611
Y <sub>xy</sub>	46.0494, 0.3998, 0.3727
Android (android.graphics.Color)	4292979076 (0xFFE1A984)
YUV	181.5260, -24.4163, 38.1267
Hunter-Lab	67.8597, 11.1827, 22.9425

# Details

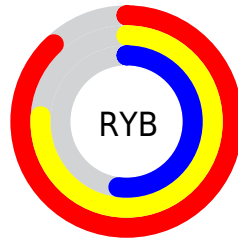
The Yxy color **46.0494, 0.3998, 0.3727** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **46.2821, 0.2484, 0.2799**, and the grayscale version is **46.6247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0741, 0.3622, 0.3689**, and **21.6566, 0.4247, 0.3827** is the 20% darker color. If you saturate the color by 10%, you get **40.7208, 0.4288, 0.3827**, and if you desaturate by 10%, it is **52.0369, 0.3739, 0.3619**.

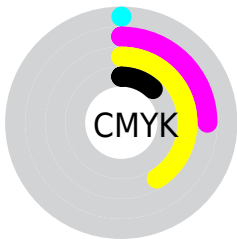
# Distribution



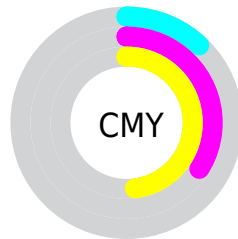
- Red (88%)
- Green (66%)
- Blue (52%)



- Red (88%)
- Yellow (76%)
- Blue (52%)



- Cyan (0%)
- Magenta (25%)
- Yellow (41%)
- Black (12%)




- Cyan (12%)
- Magenta (34%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0494, 0.3998, 0.3727 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 46.0494, 0.3998, 0.3727 by changing the saturation by 10% instead.





 46.0494, 0.3998,  
0.3727

 46.0494, 0.3998,  
0.3727

371.0072, 0.3560,  
0.3524

 32.2848, 0.4106,  
0.3771


 84.2929, 0.3839,  
0.3658

 21.5791, 0.4244,  
0.3824


 109.5406, 0.3780,  
0.3630

 13.5480, 0.4424,  
0.3887


 139.3849, 0.3729,  
0.3607

 7.8070, 0.4667,  
0.3959

174.2100, 0.3686,  
0.3586

 3.9717, 0.5006,  
0.4032

214.4004, 0.3648,  
0.3568

 1.6577, 0.5748,  
0.4252

260.3404, 0.3615,

 0.3961, 0.6587,

0.3552

0.3413

312.4146, 0.3586,  
0.3537

0.0000, 0.0000,  
0.0000

46.0494, 0.3998,  
0.3727

46.0494, 0.3998,  
0.3727

40.7208, 0.4288,  
0.3827

52.0369, 0.3739,  
0.3619

36.0199, 0.4603,  
0.3908

58.6996, 0.3512,  
0.3510

31.9229, 0.4928,  
0.3957

66.0614, 0.3316,  
0.3403

28.4012, 0.5243,  
0.3963

74.1431, 0.3148,  
0.3303

25.4231, 0.5521,  
0.3915

82.9643, 0.3004,  
0.3209

■ 23.2474, 0.5723,  
0.3838

■ 91.7489, 0.2945,  
0.3242

■ 94.7437, 0.2946,  
0.3289

# Harmonies

## Analogous

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



46.0494, 0.3943, 0.3379



46.0494, 0.3998, 0.3727



46.0494, 0.3804, 0.3996

# Triad

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



46.0494, 0.3998, 0.3727



46.0494, 0.2612, 0.3545



46.0494, 0.2783, 0.2601

# Complementary

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



46.0494, 0.3998, 0.3727



46.2821, 0.2484, 0.2799

# 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.



46.0494, 0.2467, 0.2600



46.0494, 0.3998, 0.3727



46.0494, 0.2373, 0.3111

# Square

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



46.0494, 0.3998, 0.3727



46.0494, 0.2996, 0.3921



46.0494, 0.2323, 0.2773



46.0494, 0.3213, 0.2758



# Rectangle

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



46.0494, 0.3998, 0.3727



46.0494, 0.3570, 0.4082



46.0494, 0.2323, 0.2773



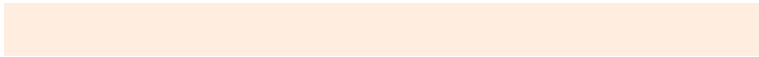
46.0494, 0.2661, 0.2582

# Sweetspot

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



46.0516, 0.3998, 0.3727



86.9923, 0.3330, 0.3411



36.1909, 0.3529, 0.2633



18.3350, 0.3354, 0.3425



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.



46.0516, 0.3998, 0.3727



54.7554, 0.4258, 0.3817



65.8268, 0.3788, 0.4206



14.5918, 0.3282, 0.3384



13.6132, 0.5695, 0.3860



1.1151, 0.5413, 0.4084



# Inverse Universe

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



46.2821, 0.2484, 0.2799



55.0637, 0.2352, 0.2670



29.9346, 0.2382, 0.2168



14.6085, 0.2981, 0.3194



13.4163, 0.1871, 0.1935



1.1035, 0.1935, 0.2166



# Previews

## White Background



This preview shows how the Yxy color 46.0494, 0.3998, 0.3727 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

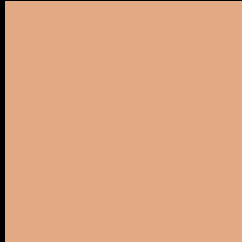
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.0494, 0.3998, 0.3727 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

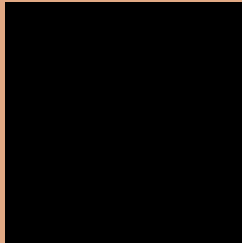
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.0494, 0.3998, 0.3727**

## Background



This preview shows how black text looks on a background with the Yxy color 46.0494, 0.3998, 0.3727.



This preview shows how white text looks on a background with the Yxy color 46.0494, 0.3998, 0.3727.

# 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

46.0494, 0.3998, 0.3727

### Protanopia

46.3232, 0.3609, 0.3862

### Deuteranopia

45.9729, 0.3893, 0.3802



## Tritanopia

45.9870, 0.3638, 0.3142

# Trichromacy



## Original Color

46.0494, 0.3998, 0.3727

## Protanomaly

46.1727, 0.3745, 0.3819

## Deuteranomaly

46.2038, 0.3936, 0.3783

## Tritanomaly

45.9423, 0.3777, 0.3350

# Monochromacy



## Original Color

46.0494, 0.3998, 0.3727

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

46.1304, 0.3425, 0.3457

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.0494, 0.3998, 0.3727 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(225, 169, 132)` looks like.

```
.text, #text, p{  
    color:rgb(225, 169, 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(225, 169, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 169, 132) }
```

## Border

The CSS property to change the border of an element to Yxy 46.0494, 0.3998, 0.3727 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(225, 169, 132) }
```

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

```
.border{ border-color:rgb(225, 169, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 169, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 169, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 169, 132); box-shadow:4px 4px 4px 4px rgb(225, 169, 132) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.0494, 0.3998, 0.3727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 169, 132) }
```

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

```
.background{ background-color: rgb(225,  
169, 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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