

Converting Colors

$Y_{xy}(46.1245, 0.4027, 0.3936)$

Have a look what the booklet for
Yxy(46.1245, 0.4027, 0.3936)
contains.

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Color

Yxy(46.1245, 0.4027, 0.3936)

Conversions

Conversions Part 1

Format	Color
Hex	DAAD77
RGB	218, 173, 119
RGB Percent	85%, 68%, 47%
CMY	0.1450, 0.3216, 0.5333
CMYK	0.00, 0.21, 0.45, 0.15
HSL	33°, 57%, 66%
HSV	33°, 45%, 85%
XYZ	47.1909, 46.1245, 23.8708
YIQ	180.2990, 44.1540, -7.2540

Conversions

Conversions Part 2

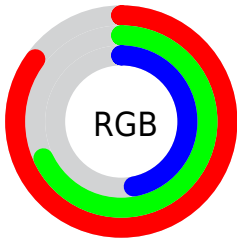
Format	Color
R _Y B	202, 218, 119
Decimal	14331255
CIE Lab	73.63, 9.60, 33.93
CIE LCh	74, 35.265, 74.199
Yxy	46.1245, 0.4027, 0.3936
Android (android.graphics.Color)	4292521335 (0xFFDAAD77)
YUV	180.2990, -30.2204, 33.0638
Hunter-Lab	67.9150, 5.1798, 26.7012

Details

The Yxy color **46.1245, 0.4027, 0.3936** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.5462, 0.2387, 0.2529**, and the grayscale version is **45.9608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7254, 0.3700, 0.3860**, and **21.6815, 0.4273, 0.4097** is the 20% darker color. If you saturate the color by 10%, you get **41.9997, 0.4277, 0.4064**, and if you desaturate by 10%, it is **50.6560, 0.3792, 0.3794**.

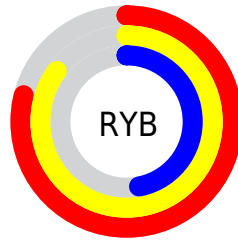
Distribution



Red (85%)

Green (68%)

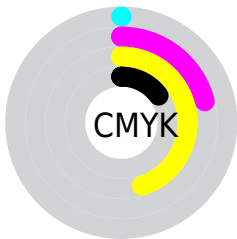
Blue (47%)



Red (79%)

Yellow (85%)

Blue (47%)

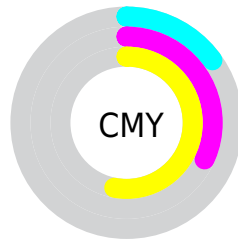


Cyan (0%)

Magenta (21%)

Yellow (45%)

Black (15%)



Cyan (15%)


Magenta (32%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1245, 0.4027, 0.3936 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 46.1245, 0.4027, 0.3936 by changing the saturation by 10% instead.


 46.1245, 0.4027,
0.3936

 46.1245, 0.4027,
0.3936


371.3090, 0.3580,
0.3630

 32.3441, 0.4135,
0.4005


 84.4053, 0.3867,
0.3830

 21.6244, 0.4270,
0.4087


 109.6745, 0.3806,
0.3789

 13.5812, 0.4442,
0.4187


 139.5420, 0.3754,
0.3753

 7.8300, 0.4667,
0.4304

174.3923, 0.3709,
0.3722

 3.9863, 0.5001,
0.4466

214.6097, 0.3671,
0.3694

 1.6659, 0.5416,
0.4584

260.5787, 0.3637,

 0.4014, 0.6054,

0.3670

0.3946

312.6837, 0.3607,
0.3649

0.0000, 0.0000,
0.0000

46.1245, 0.4027,
0.3936

46.1245, 0.4027,
0.3936

41.9997, 0.4277,
0.4064

50.6560, 0.3792,
0.3794

38.2605, 0.4534,
0.4168

55.6009, 0.3577,
0.3647

34.8935, 0.4784,
0.4233

60.9742, 0.3383,
0.3502


31.8812, 0.5014,
0.4250


66.7878, 0.3211,
0.3362

29.2035, 0.5208,
0.4212


73.0531, 0.3060,
0.3231

 28.0744, 0.5289,
0.4182

 79.7810, 0.2928,
0.3109

 85.8648, 0.2901,
0.3160

 91.9395, 0.2905,
0.3262

 93.6480, 0.2906,
0.3289

Harmonies

Analogous

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



46.1245, 0.4110, 0.3575



46.1245, 0.4027, 0.3936



46.1245, 0.3697, 0.4163

Triad

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



46.1245, 0.4027, 0.3936



46.1245, 0.2398, 0.3331



46.1245, 0.2964, 0.2591

Complementary

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



46.1245, 0.4027, 0.3936



35.5462, 0.2387, 0.2529

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.



46.1245, 0.2540, 0.2501



46.1245, 0.4027, 0.3936



46.1245, 0.2235, 0.2881

Square

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



46.1245, 0.4027, 0.3936



46.1245, 0.2754, 0.3817



46.1245, 0.2285, 0.2593



46.1245, 0.3468, 0.2834

Rectangle

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



46.1245, 0.4027, 0.3936



46.1245, 0.3392, 0.4179



46.1245, 0.2285, 0.2593



46.1245, 0.2808, 0.2542

Sweetspot

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



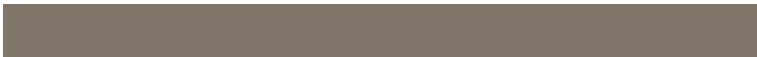
46.1267, 0.4027, 0.3936



87.9872, 0.3360, 0.3483



30.8282, 0.3760, 0.2738



18.4608, 0.3399, 0.3515



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.



46.1267, 0.4027, 0.3936



60.4216, 0.4253, 0.4053



65.8877, 0.3771, 0.4409



14.2223, 0.3278, 0.3418



17.0346, 0.5268, 0.4199



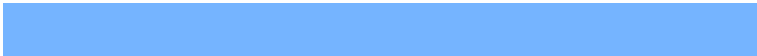
1.2750, 0.5046, 0.4375

Inverse Universe

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



35.5462, 0.2387, 0.2529



43.6295, 0.2241, 0.2343



22.4189, 0.2297, 0.1884



13.5876, 0.2982, 0.3159



8.6021, 0.1733, 0.1438



0.7281, 0.1820, 0.1750

Previews

White Background



This preview shows how the Yxy color 46.1245, 0.4027, 0.3936 looks on a white background.

Color Contrast Check

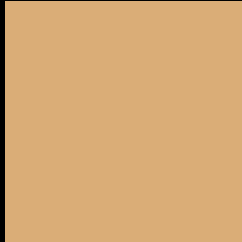
Large Text (above 18pt) WCAG AA × Fail

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 46.1245, 0.4027, 0.3936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

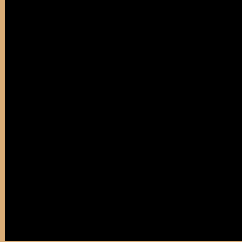
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.1245, 0.4027, 0.3936

Background



This preview shows how black text looks on a background with the Yxy color 46.1245, 0.4027, 0.3936.



This preview shows how white text looks on a background with the Yxy color 46.1245, 0.4027, 0.3936.

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

46.1245, 0.4027, 0.3936

Protanopia

46.1887, 0.3752, 0.4049

Deuteranopia

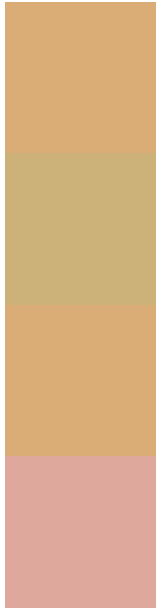
46.1245, 0.4027, 0.3936



Tritanopia

45.9719, 0.3567, 0.3139

Trichromacy



Original Color

46.1245, 0.4027, 0.3936

Protanomaly

46.0586, 0.3851, 0.4006

Deuteranomaly

46.1245, 0.4027, 0.3936

Tritanomaly

45.9692, 0.3739, 0.3423

Monochromacy



Original Color

46.1245, 0.4027, 0.3936

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.3822, 0.3440, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1245, 0.4027, 0.3936 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(218, 173, 119)` looks like.

```
.text, #text, p{  
    color:rgb(218, 173, 119)  
}
```

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(218, 173, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 173, 119) }
```

Border

The CSS property to change the border of an element to Yxy 46.1245, 0.4027, 0.3936 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(218, 173, 119) }
```

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

```
.border{ border-color:rgb(218, 173, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 173, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 173, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 173, 119);  
box-shadow:4px 4px 4px 4px rgb(218, 173,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1245, 0.4027, 0.3936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 173, 119) }
```

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

```
.background{ background-color: rgb(218,  
173, 119) }
```

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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