

Converting Colors

$Y_{xy}(46.2164, 0.4027, 0.3837)$

Have a look what the booklet for
Yxy(46.2164, 0.4027, 0.3837)
contains.

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Color

Yxy(46.1361, 0.4023, 0.3836)

Conversions

Conversions Part 1

Format	Color
Hex	DEAB7D
RGB	222, 171, 125
RGB Percent	87%, 67%, 49%
CMY	0.1295, 0.3294, 0.5099
CMYK	0.00, 0.23, 0.44, 0.13
HSL	28°, 60%, 68%
HSV	28°, 44%, 87%
XYZ	48.3852, 46.1361, 25.7501
YIQ	181.0050, 45.1620, -3.4940

Conversions

Conversions Part 2

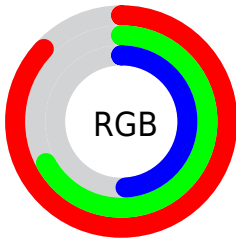
Format	Color
R _Y B	222, 212, 125
Decimal	14592893
CIE Lab	73.63, 12.88, 30.86
CIE LCh	74, 33.441, 67.343
Yxy	46.1361, 0.4023, 0.3836
Android (android.graphics.Color)	4292782973 (0xFFDEAB7D)
YUV	181.0050, -27.6105, 35.9526
Hunter-Lab	67.9236, 8.2878, 25.0694

Details

The Yxy color **46.1361, 0.4023, 0.3836** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **40.6659, 0.2431, 0.2661**, and the grayscale version is **46.3452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8671, 0.3665, 0.3780**, and **21.7010, 0.4275, 0.3967** is the 20% darker color. If you saturate the color by 10%, you get **41.4184, 0.4294, 0.3951**, and if you desaturate by 10%, it is **51.3740, 0.3774, 0.3710**.

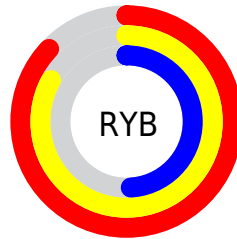
Distribution



Red (87%)

Green (67%)

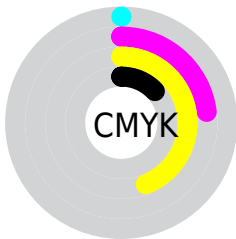
Blue (49%)



Red (87%)

Yellow (83%)

Blue (49%)

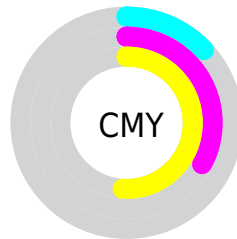


Cyan (0%)

Magenta (23%)

Yellow (44%)

Black (13%)



Cyan (13%)


Magenta (33%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1361, 0.4023, 0.3836 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 46.1361, 0.4023, 0.3836 by changing the saturation by 10% instead.


 46.1361, 0.4023,
0.3836


 46.1361, 0.4023,
0.3836


371.3555, 0.3575,
0.3580


 32.3532, 0.4132,
0.3893


 84.4226, 0.3862,
0.3748

 21.6314, 0.4271,
0.3961


 109.6951, 0.3800,
0.3713

 13.5863, 0.4449,
0.4042


 139.5662, 0.3749,
0.3683

 7.8335, 0.4686,
0.4137

174.4204, 0.3704,
0.3657

 3.9886, 0.5019,
0.4246

214.6420, 0.3665,
0.3634

 1.6672, 0.5591,
0.4409

260.6155, 0.3632,

 0.4023, 0.6340,

0.3614

0.3660

312.7252, 0.3602,
0.3596

0.0000, 0.0000,
0.0000

46.1361, 0.4023,
0.3836

46.1361, 0.4023,
0.3836

41.4184, 0.4294,
0.3951

51.3740, 0.3774,
0.3710

37.1956, 0.4580,
0.4044

57.1428, 0.3552,
0.3581

33.4500, 0.4867,
0.4101

63.4613, 0.3356,
0.3454

30.1597, 0.5137,
0.4111

70.3449, 0.3185,
0.3333

27.2996, 0.5371,
0.4065

77.8086, 0.3036,
0.3220

 25.6994, 0.5500,
0.4015

 85.6606, 0.2925,
0.3147

 92.7896, 0.2928,
0.3266

 94.2678, 0.2929,
0.3289

Harmonies

Analogous

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



46.1361, 0.4037, 0.3479



46.1361, 0.4023, 0.3836



46.1361, 0.3757, 0.4087

Triad

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



46.1361, 0.4023, 0.3836



46.1361, 0.2497, 0.3439



46.1361, 0.2870, 0.2590

Complementary

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



46.1361, 0.4023, 0.3836



40.6659, 0.2431, 0.2661

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.



46.1361, 0.2497, 0.2542



46.1361, 0.4023, 0.3836



46.1361, 0.2295, 0.2991

Square

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



46.1361, 0.4023, 0.3836



46.1361, 0.2871, 0.3877



46.1361, 0.2296, 0.2675



46.1361, 0.3342, 0.2792

Rectangle

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



46.1361, 0.4023, 0.3836



46.1361, 0.3484, 0.4140



46.1361, 0.2296, 0.2675



46.1361, 0.2730, 0.2555

Sweetspot

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



46.1383, 0.4023, 0.3836



87.4307, 0.3345, 0.3446



33.3533, 0.3652, 0.2685



18.2855, 0.3386, 0.3474



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.



46.1383, 0.4023, 0.3836



57.5070, 0.4258, 0.3937



67.5433, 0.3789, 0.4331



14.7679, 0.3280, 0.3402



15.4860, 0.5476, 0.4034



1.2518, 0.5227, 0.4231

Inverse Universe

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



40.6659, 0.2431, 0.2661



49.1213, 0.2298, 0.2508



25.1262, 0.2315, 0.1980



14.4294, 0.2981, 0.3176



10.8669, 0.1797, 0.1669



0.9322, 0.1872, 0.1938

Previews

White Background



This preview shows how the Yxy color 46.1361, 0.4023, 0.3836 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 46.1361, 0.4023, 0.3836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

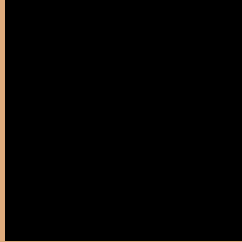
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.1361, 0.4023, 0.3836

Background



This preview shows how black text looks on a background with the Yxy color 46.1361, 0.4023, 0.3836.



This preview shows how white text looks on a background with the Yxy color 46.1361, 0.4023, 0.3836.

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

46.1361, 0.4023, 0.3836

Protanopia

46.2348, 0.3685, 0.3963

Deuteranopia

45.9413, 0.3964, 0.3883



Tritanopia

46.0561, 0.3607, 0.3141

Trichromacy



Original Color

46.1361, 0.4023, 0.3836

Protanomaly

45.9819, 0.3805, 0.3906

Deuteranomaly

45.8657, 0.3989, 0.3867

Tritanomaly

46.1136, 0.3761, 0.3398

Monochromacy



Original Color

46.1361, 0.4023, 0.3836

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.7533, 0.3433, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1361, 0.4023, 0.3836 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(222, 171, 125)` looks like.

```
.text, #text, p{  
    color:rgb(222, 171, 125)  
}
```

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(222, 171, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 171, 125) }
```

Border

The CSS property to change the border of an element to Yxy 46.1361, 0.4023, 0.3836 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(222, 171, 125) }
```

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

```
.border{ border-color:rgb(222, 171, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 171, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 171, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 171, 125);  
box-shadow:4px 4px 4px 4px rgb(222, 171,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1361, 0.4023, 0.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 171, 125) }
```

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

```
.background{ background-color: rgb(222,  
171, 125) }
```

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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