

Converting Colors

$Y_{xy}(46.9946, 0.3939, 0.3734)$

Have a look what the booklet for
Yxy(46.9946, 0.3939, 0.3734)
contains.

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Color

Yxy(46.9423, 0.3937, 0.3729)

Conversions

Conversions Part 1

Format	Color
Hex	DFAC87
RGB	223, 172, 135
RGB Percent	87%, 67%, 53%
CMY	0.1255, 0.3255, 0.4705
CMYK	0.00, 0.23, 0.39, 0.13
HSL	25°, 58%, 70%
HSV	25°, 39%, 87%
XYZ	49.5607, 46.9423, 29.3814
YIQ	183.0310, 42.2730, -0.6950

Conversions

Conversions Part 2

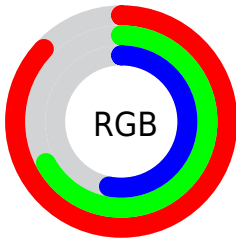
Format	Color
R _Y B	223, 199, 135
Decimal	14658695
CIE Lab	74.15, 13.85, 26.19
CIE LCh	74, 29.632, 62.130
Yxy	46.9423, 0.3937, 0.3729
Android (android.graphics.Color)	4292848775 (0xFFDFAC87)
YUV	183.0310, -23.6793, 35.0528
Hunter-Lab	68.5145, 9.2197, 22.5345

Details

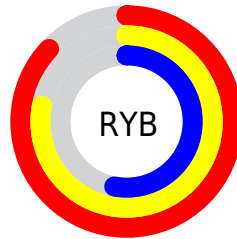
The Yxy color **46.9423, 0.3937, 0.3729** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **45.6162, 0.2509, 0.2799**, and the grayscale version is **47.4894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8723, 0.3586, 0.3677**, and **22.1958, 0.4160, 0.3834** is the 20% darker color. If you saturate the color by 10%, you get **41.6959, 0.4215, 0.3836**, and if you desaturate by 10%, it is **52.8036, 0.3688, 0.3615**.

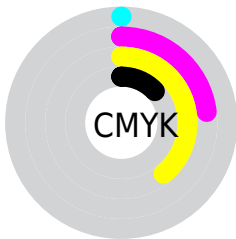
Distribution



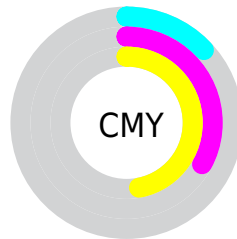
- Red (87%)
- Green (67%)
- Blue (53%)



- Red (87%)
- Yellow (78%)
- Blue (53%)



- Cyan (0%)
- Magenta (23%)
- Yellow (39%)
- Black (13%)




- Cyan (13%)
- Magenta (33%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9423, 0.3937, 0.3729 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 46.9423, 0.3937, 0.3729 by changing the saturation by 10% instead.


 46.9423, 0.3937,
0.3729

 46.9423, 0.3937,
0.3729

374.5842, 0.3531,
0.3523

 32.9900, 0.4037,
0.3775


 85.6275, 0.3790,
0.3658

 22.1188, 0.4164,
0.3830


 111.1292, 0.3735,
0.3630

 13.9442, 0.4330,
0.3898


 141.2495, 0.3688,
0.3606

 8.0819, 0.4555,
0.3978

176.3729, 0.3648,
0.3585

 4.1474, 0.4870,
0.4067

216.8836, 0.3613,
0.3567

 1.7563, 0.5629,
0.4371

263.1661, 0.3582,

 0.4597, 0.6277,

0.3551

0.3723

315.6049, 0.3555,
0.3536

0.0000, 0.0000,
0.0000

46.9423, 0.3937,
0.3729

46.9423, 0.3937,
0.3729

41.6959, 0.4215,
0.3836

52.8036, 0.3688,
0.3615

37.0359, 0.4517,
0.3927

59.2937, 0.3470,
0.3500

32.9410, 0.4831,
0.3989

66.4345, 0.3282,
0.3389

29.3858, 0.5139,
0.4008

74.2444, 0.3119,
0.3284

26.3420, 0.5416,
0.3975

82.7415, 0.2979,
0.3187

■ 23.7725, 0.5647,
0.3893

■ 91.0191, 0.2933,
0.3235

■ 23.6432, 0.5659,
0.3888

■ 94.4293, 0.2935,
0.3289

Harmonies

Analogous

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



46.9423, 0.3905, 0.3405



46.9423, 0.3937, 0.3729



46.9423, 0.3740, 0.3968

Triad

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



46.9423, 0.3937, 0.3729



46.9423, 0.2619, 0.3495



46.9423, 0.2835, 0.2648

Complementary

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



46.9423, 0.3937, 0.3729



45.6162, 0.2509, 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.



46.9423, 0.2525, 0.2635



46.9423, 0.3937, 0.3729



46.9423, 0.2407, 0.3093

Square

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



46.9423, 0.3937, 0.3729



46.9423, 0.2972, 0.3855



46.9423, 0.2375, 0.2786



46.9423, 0.3245, 0.2807

Rectangle

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



46.9423, 0.3937, 0.3729



46.9423, 0.3513, 0.4034



46.9423, 0.2375, 0.2786



46.9423, 0.2717, 0.2626

Sweetspot

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



46.9445, 0.3937, 0.3729



87.3817, 0.3329, 0.3418



36.5862, 0.3536, 0.2695



18.4264, 0.3353, 0.3432



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.



46.9445, 0.3937, 0.3729



57.9260, 0.4154, 0.3815



66.3857, 0.3745, 0.4194



14.6423, 0.3282, 0.3389



14.1133, 0.5633, 0.3909



1.1525, 0.5359, 0.4127

Inverse Universe

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



45.6162, 0.2509, 0.2799



55.8730, 0.2390, 0.2680



29.9359, 0.2415, 0.2188



14.5567, 0.2981, 0.3189



12.6382, 0.1849, 0.1857



1.0520, 0.1917, 0.2100

Previews

White Background



This preview shows how the Yxy color 46.9423, 0.3937, 0.3729 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 46.9423, 0.3937, 0.3729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

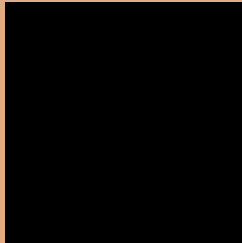
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9423, 0.3937, 0.3729

Background



This preview shows how black text looks on a background with the Yxy color 46.9423, 0.3937, 0.3729.



This preview shows how white text looks on a background with the Yxy color 46.9423, 0.3937, 0.3729.

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

46.9423, 0.3937, 0.3729

Protanopia

46.9514, 0.3590, 0.3834

Deuteranopia

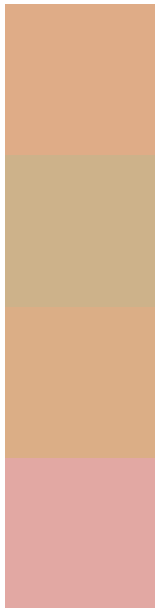
46.9801, 0.3866, 0.3788



Tritanopia

46.8580, 0.3583, 0.3141

Trichromacy



Original Color

46.9423, 0.3937, 0.3729

Protanomaly

46.6549, 0.3715, 0.3794

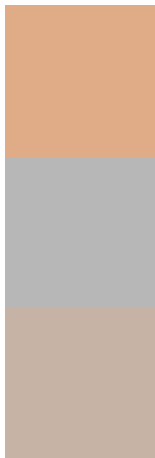
Deuteranomaly

47.0534, 0.3899, 0.3771

Tritanomaly

46.8184, 0.3719, 0.3350

Monochromacy



Original Color

46.9423, 0.3937, 0.3729

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.9991, 0.3404, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9423, 0.3937, 0.3729 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(223, 172, 135)` looks like.

```
.text, #text, p{  
    color:rgb(223, 172, 135)  
}
```

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(223, 172, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 172, 135) }
```

Border

The CSS property to change the border of an element to Yxy 46.9423, 0.3937, 0.3729 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(223, 172, 135) }
```

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

```
.border{ border-color:rgb(223, 172, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 172, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 172, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 172, 135);  
box-shadow:4px 4px 4px 4px rgb(223, 172,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9423, 0.3937, 0.3729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 172, 135) }
```

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

```
.background{ background-color: rgb(223,  
172, 135) }
```

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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