

# Converting Colors

Yxy(46.8131, 0.3948, 0.3822)

Have a look what the booklet for  
Yxy(46.8131, 0.3948, 0.3822)  
contains.

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# Color

**Yxy(46.9172, 0.3944, 0.3830)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBAE81
RGB	219, 174, 129
RGB Percent	86%, 68%, 51%
CMY	0.1411, 0.3176, 0.4942
CMYK	0.00, 0.21, 0.41, 0.14
HSL	30°, 56%, 68%
HSV	30°, 41%, 86%
XYZ	48.3137, 46.9172, 27.2683
YIQ	182.3250, 41.2650, -4.4550

# Conversions

## Conversions Part 2

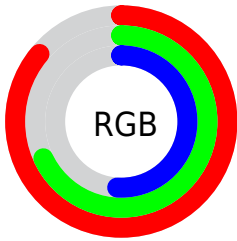
Format	Color
R <sub>Y</sub> B	219, 219, 129
Decimal	14397057
CIE Lab	74.14, 10.52, 29.34
CIE LCh	74, 31.171, 70.281
Yxy	46.9172, 0.3944, 0.3830
Android (android.graphics.Color)	4292587137 (0xFFDBAE81)
YUV	182.3250, -26.2892, 32.1640
Hunter-Lab	68.4961, 6.0366, 24.3439

# Details

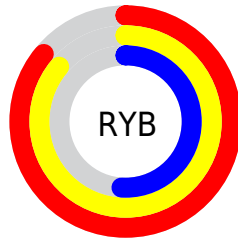
The Yxy color **46.9172, 0.3944, 0.3830** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **40.0467, 0.2468, 0.2673**, and the grayscale version is **47.0954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6760, 0.3629, 0.3768**, and **22.1650, 0.4164, 0.3966** is the 20% darker color. If you saturate the color by 10%, you get **42.3386, 0.4202, 0.3955**, and if you desaturate by 10%, it is **51.9699, 0.3708, 0.3696**.

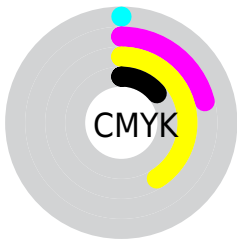
# Distribution



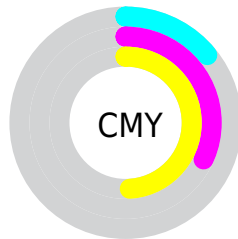
- Red (86%)
- Green (68%)
- Blue (51%)



- Red (86%)
- Yellow (86%)
- Blue (51%)



- Cyan (0%)
- Magenta (21%)
- Yellow (41%)
- Black (14%)




- Cyan (14%)
- Magenta (32%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9172, 0.3944, 0.3830 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 46.9172, 0.3944, 0.3830 by changing the saturation by 10% instead.





 46.9172, 0.3944,  
0.3830


 46.9172, 0.3944,  
0.3830


374.4839, 0.3537,  
0.3574


 32.9702, 0.4043,  
0.3888

 85.5900, 0.3797,  
0.3741

 22.1036, 0.4169,  
0.3959


 111.0846, 0.3742,  
0.3706

 13.9331, 0.4332,  
0.4045


 141.1972, 0.3695,  
0.3676

 8.0741, 0.4548,  
0.4150

176.3122, 0.3654,  
0.3651

 4.1424, 0.4845,  
0.4270

216.8140, 0.3619,  
0.3628

 1.7535, 0.5456,  
0.4544

263.0869, 0.3588,

 0.4580, 0.6018,

0.3608

0.3982

315.5154, 0.3561,  
0.3590

0.0000, 0.0000,  
0.0000

46.9172, 0.3944,  
0.3830

46.9172, 0.3944,  
0.3830

42.3386, 0.4202,  
0.3955

51.9699, 0.3708,  
0.3696

38.2113, 0.4475,  
0.4060

57.5053, 0.3496,  
0.3561

34.5199, 0.4751,  
0.4134


63.5399, 0.3308,  
0.3429

31.2454, 0.5014,  
0.4163

70.0877, 0.3144,  
0.3303

28.3662, 0.5247,  
0.4138

77.1616, 0.3001,  
0.3186

 26.1124, 0.5423,  
0.4076

 84.4227, 0.2906,  
0.3132

 91.0539, 0.2910,  
0.3245

 93.8023, 0.2912,  
0.3289

# Harmonies

## Analogous

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



46.9172, 0.3980, 0.3504



46.9172, 0.3944, 0.3830



46.9172, 0.3680, 0.4043

# Triad

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



46.9172, 0.3944, 0.3830



46.9172, 0.2515, 0.3387



46.9172, 0.2930, 0.2649

# Complementary

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



46.9172, 0.3944, 0.3830



40.0467, 0.2468, 0.2673

# 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.



46.9172, 0.2569, 0.2590



46.9172, 0.3944, 0.3830



46.9172, 0.2343, 0.2980

# Square

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



46.9172, 0.3944, 0.3830



46.9172, 0.2852, 0.3797



46.9172, 0.2363, 0.2699



46.9172, 0.3371, 0.2851



# Rectangle

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



46.9172, 0.3944, 0.3830



46.9172, 0.3420, 0.4073



46.9172, 0.2363, 0.2699



46.9172, 0.2796, 0.2612

# Sweetspot

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



46.9194, 0.3944, 0.3830



88.8089, 0.3326, 0.3441



33.8114, 0.3643, 0.2755



18.7618, 0.3349, 0.3459



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.



46.9194, 0.3944, 0.3830



60.8083, 0.4157, 0.3935



67.3173, 0.3739, 0.4301



14.1220, 0.3279, 0.3407



15.7004, 0.5400, 0.4094



1.1895, 0.5151, 0.4292



# Inverse Universe

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



40.0467, 0.2468, 0.2673



49.8950, 0.2336, 0.2521



25.4736, 0.2365, 0.2029



13.6873, 0.2982, 0.3170



9.7980, 0.1774, 0.1585



0.8071, 0.1856, 0.1881



# Previews

## White Background



This preview shows how the Yxy color 46.9172, 0.3944, 0.3830 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 46.9172, 0.3944, 0.3830 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

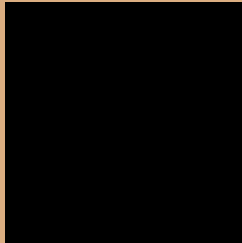
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.9172, 0.3944, 0.3830**

## Background



This preview shows how black text looks on a background with the Yxy color 46.9172, 0.3944, 0.3830.



This preview shows how white text looks on a background with the Yxy color 46.9172, 0.3944, 0.3830.

# 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

46.9172, 0.3944, 0.3830

### Protanopia

46.8851, 0.3658, 0.3922

### Deuteranopia

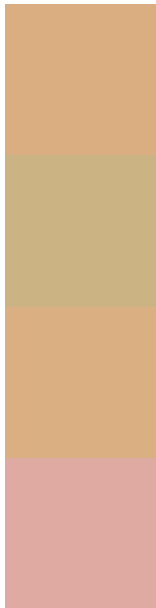
46.9966, 0.3920, 0.3845



## Tritanopia

46.7800, 0.3543, 0.3140

# Trichromacy



**Original Color**

46.9172, 0.3944, 0.3830

**Protanomaly**

46.7435, 0.3753, 0.3882

**Deuteranomaly**

47.1503, 0.3929, 0.3843

**Tritanomaly**

46.8523, 0.3694, 0.3399

# Monochromacy



**Original Color**

46.9172, 0.3944, 0.3830

**Achromatopsia**

46.7784, 0.3127, 0.3290

**Achromatomaly**

46.4866, 0.3402, 0.3496

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.9172, 0.3944, 0.3830 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(219, 174, 129)` looks like.

```
.text, #text, p{  
    color:rgb(219, 174, 129)  
}
```

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(219, 174, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 174, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 46.9172, 0.3944, 0.3830 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(219, 174, 129) }
```

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

```
.border{ border-color:rgb(219, 174, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 174, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 174, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 174, 129);  
box-shadow:4px 4px 4px 4px rgb(219, 174,  
129) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.9172, 0.3944, 0.3830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 174, 129) }
```

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

```
.background{ background-color: rgb(219,  
174, 129) }
```

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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