

# Converting Colors

$Y_{xy}(44.3224, 0.3981, 0.4047)$

Have a look what the booklet for  
Yxy(44.3224, 0.3981, 0.4047)  
contains.

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# Color

**Yxy(44.3224, 0.3981, 0.4047)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFAD70
RGB	207, 173, 112
RGB Percent	81%, 68%, 44%
CMY	0.1883, 0.3215, 0.5606
CMYK	0.00, 0.16, 0.46, 0.19
HSL	39°, 50%, 63%
HSV	39°, 46%, 81%
XYZ	43.5996, 44.3224, 21.5972
YIQ	176.2120, 39.8450, -11.7630

# Conversions

## Conversions Part 2

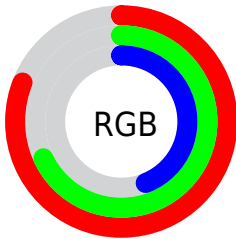
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 207, 112
Decimal	13610352
CIELab	72.44, 4.39, 35.85
CIELCh	72, 36.118, 83.017
Yxy	44.3224, 0.3981, 0.4047
Android (android.graphics.Color)	4291800432 (0xFFCFAD70)
YUV	176.2120, -31.6565, 27.0011
Hunter-Lab	66.5751, 0.3921, 27.3687

# Details

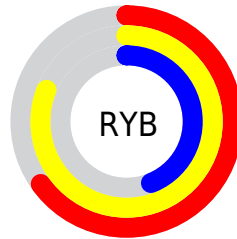
The Yxy color **44.3224, 0.3981, 0.4047** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.5155, 0.2357, 0.2381**, and the grayscale version is **43.6874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4634, 0.3748, 0.3930**, and **20.6129, 0.4208, 0.4232** is the 20% darker color. If you saturate the color by 10%, you get **41.1521, 0.4200, 0.4195**, and if you desaturate by 10%, it is **47.7604, 0.3769, 0.3884**.

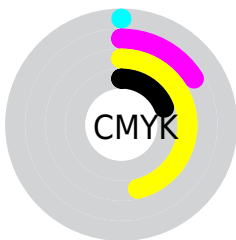
# Distribution



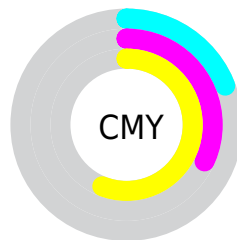
- Red (81%)
- Green (68%)
- Blue (44%)



- Red (65%)
- Yellow (81%)
- Blue (44%)



- Cyan (0%)
- Magenta (16%)
- Yellow (46%)
- Black (19%)



- Cyan (19%)
- Magenta (32%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3224, 0.3981, 0.4047 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 44.3224, 0.3981, 0.4047 by changing the saturation by 10% instead.





 44.3224, 0.3981,  
0.4047

 44.3224, 0.3981,  
0.4047


364.0223, 0.3558,  
0.3680

 30.9240, 0.4082,  
0.4132


 81.7027, 0.3830,  
0.3918


 20.5410, 0.4208,  
0.4236


 106.4534, 0.3772,  
0.3868

 12.7889, 0.4367,  
0.4363


 135.7569, 0.3723,  
0.3825

 7.2834, 0.4569,  
0.4516

 169.9978, 0.3681,  
0.3788

 3.6399, 0.4936,  
0.4801

209.5604, 0.3644,  
0.3756

 1.4743, 0.5137,  
0.4863

254.8291, 0.3612,

 0.2705, 0.5739,

0.3727

0.4261

306.1883, 0.3583,  
0.3702

0.0000, 0.0000,  
0.0000

44.3224, 0.3981,  
0.4047

44.3224, 0.3981,  
0.4047

41.1521, 0.4200,  
0.4195

47.7604, 0.3769,  
0.3884

38.2334, 0.4416,  
0.4317

51.4689, 0.3569,  
0.3714

35.5574, 0.4621,  
0.4401


55.4587, 0.3385,  
0.3545


33.1119, 0.4802,  
0.4437


59.7376, 0.3217,  
0.3382

30.8820, 0.4951,  
0.4422


64.3134, 0.3067,  
0.3227

 30.0144, 0.5007,  
0.4406

 69.1933, 0.2933,  
0.3083

 74.2593, 0.2825,  
0.2969

 78.3487, 0.2830,  
0.3049

 82.6139, 0.2834,  
0.3129

# Harmonies

## Analogous

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



44.3224, 0.4153, 0.3700



44.3224, 0.3981, 0.4047



44.3224, 0.3582, 0.4220

# Triad

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



44.3224, 0.3981, 0.4047



44.3224, 0.2300, 0.3182



44.3224, 0.3108, 0.2627

# Complementary

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



44.3224, 0.3981, 0.4047



28.5155, 0.2357, 0.2381

# 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.



44.3224, 0.2632, 0.2483



44.3224, 0.3981, 0.4047



44.3224, 0.2197, 0.2756

# Square

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



44.3224, 0.3981, 0.4047



44.3224, 0.2614, 0.3698



44.3224, 0.2313, 0.2519



44.3224, 0.3628, 0.2915



# Rectangle

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



44.3224, 0.3981, 0.4047



44.3224, 0.3250, 0.4178



44.3224, 0.2313, 0.2519



44.3224, 0.2937, 0.2561

# Sweetspot

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



44.3245, 0.3981, 0.4047



90.0278, 0.3355, 0.3517



26.9626, 0.3890, 0.2852



18.9587, 0.3393, 0.3553



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.



44.3245, 0.3981, 0.4047



66.0625, 0.4195, 0.4192



57.3035, 0.3694, 0.4450



13.0561, 0.3275, 0.3439



19.0974, 0.4993, 0.4418



1.2149, 0.4809, 0.4564



# Inverse Universe

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



28.5155, 0.2357, 0.2381



37.7375, 0.2188, 0.2143



20.4387, 0.2369, 0.1901



12.1002, 0.2982, 0.3137



6.0944, 0.1655, 0.1156



0.4892, 0.1759, 0.1531



# Previews

## White Background



This preview shows how the Yxy color 44.3224, 0.3981, 0.4047 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

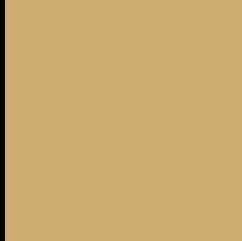
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.3224, 0.3981, 0.4047 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

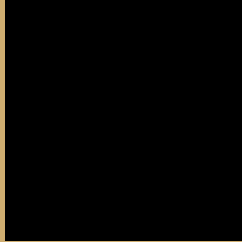
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.3224, 0.3981, 0.4047**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.3224, 0.3981, 0.4047.



This preview shows how white text looks on a background with the Yxy color 44.3224, 0.3981, 0.4047.

# 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

44.3224, 0.3981, 0.4047

### Protanopia

44.5250, 0.3813, 0.4120

### Deuteranopia

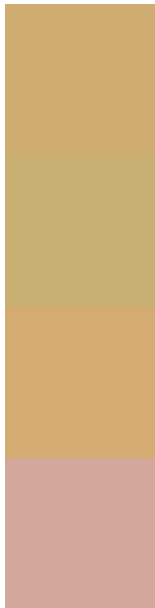
44.3888, 0.4067, 0.3979



## Tritanopia

44.2708, 0.3463, 0.3133

# Trichromacy



## Original Color

44.3224, 0.3981, 0.4047

## Protanomaly

44.3850, 0.3879, 0.4094

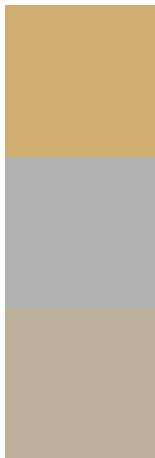
## Deuteranomaly

44.3151, 0.4033, 0.3998

## Tritanomaly

44.1872, 0.3662, 0.3465

# Monochromacy



## Original Color

44.3224, 0.3981, 0.4047

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

43.5246, 0.3423, 0.3584

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.3224, 0.3981, 0.4047 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(207, 173, 112)` looks like.

```
.text, #text, p{  
    color:rgb(207, 173, 112)  
}
```

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(207, 173, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 173, 112) }
```

## Border

The CSS property to change the border of an element to Yxy 44.3224, 0.3981, 0.4047 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(207, 173, 112) }
```

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

```
.border{ border-color:rgb(207, 173, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 173, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 173, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 173, 112);  
box-shadow:4px 4px 4px 4px rgb(207, 173,  
112) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.3224, 0.3981, 0.4047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 173, 112) }
```

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

```
.background{ background-color: rgb(207,  
173, 112) }
```

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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