

# Converting Colors

$Yxy(45.2604, 0.3944, 0.4098)$

Have a look what the booklet for  
Yxy(45.2604, 0.3944, 0.4098)  
contains.

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# Color

**Yxy(45.1997, 0.3945, 0.4087)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDB070
RGB	205, 176, 112
RGB Percent	80%, 69%, 44%
CMY	0.1961, 0.3098, 0.5606
CMYK	0.00, 0.14, 0.45, 0.20
HSL	41°, 48%, 62%
HSV	41°, 45%, 80%
XYZ	43.6293, 45.1997, 21.7649
YIQ	177.3750, 37.8280, -13.7560

# Conversions

## Conversions Part 2

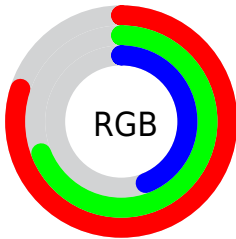
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 205, 112
Decimal	13480048
CIELab	73.02, 1.98, 36.55
CIELCh	73, 36.602, 86.900
Yxy	45.1997, 0.3945, 0.4087
Android (android.graphics.Color)	4291670128 (0xFFCDB070)
YUV	177.3750, -32.2299, 24.2271
Hunter-Lab	67.2307, -1.8165, 27.8673

# Details

The Yxy color **45.1997, 0.3945, 0.4087** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.9169, 0.2355, 0.2327**, and the grayscale version is **44.3348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1284, 0.3738, 0.3958**, and **21.1637, 0.4152, 0.4287** is the 20% darker color. If you saturate the color by 10%, you get **42.3465, 0.4149, 0.4245**, and if you desaturate by 10%, it is **48.2793, 0.3744, 0.3913**.

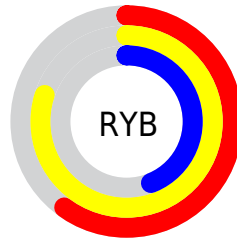
# Distribution



Red (80%)

Green (69%)

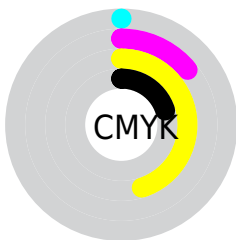
Blue (44%)



Red (60%)

Yellow (80%)

Blue (44%)

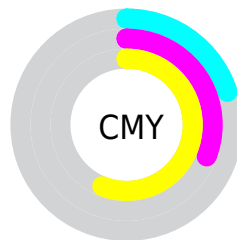


Cyan (0%)

Magenta (14%)

Yellow (45%)

Black (20%)



Cyan (20%)

Magenta (31%)

Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1997, 0.3945, 0.4087 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 45.1997, 0.3945, 0.4087 by changing the saturation by 10% instead.





 45.1997, 0.3945,  
0.4087

 45.1997, 0.3945,  
0.4087


367.5817, 0.3542,  
0.3698

 31.6148, 0.4040,  
0.4178


 83.0200, 0.3802,  
0.3950


 21.0674, 0.4158,  
0.4289


 108.0241, 0.3747,  
0.3897

 13.1733, 0.4306,  
0.4426


 137.6035, 0.3700,  
0.3852

 7.5480, 0.4491,  
0.4594

 172.1424, 0.3660,  
0.3813

 3.8071, 0.4820,  
0.4897

212.0253, 0.3625,  
0.3779

 1.5663, 0.4991,  
0.5009

257.6365, 0.3594,

 0.3347, 0.5226,

0.3749

0.4774

309.3606, 0.3567,  
0.3722

0.0000, 0.0000,  
0.0000

45.1997, 0.3945,  
0.4087

45.1997, 0.3945,  
0.4087

42.3465, 0.4149,  
0.4245

48.2793, 0.3744,  
0.3913

39.7045, 0.4349,  
0.4377

51.5870, 0.3552,  
0.3733

37.2663, 0.4535,  
0.4472

55.1323, 0.3373,  
0.3553

35.0207, 0.4696,  
0.4520

58.9224, 0.3209,  
0.3379

32.9547, 0.4827,  
0.4518

62.9638, 0.3060,  
0.3215

■ 32.0441, 0.4881,  
0.4506

■ 67.2630, 0.2926,  
0.3060

■ 71.7910, 0.2810,  
0.2923

■ 75.2282, 0.2814,  
0.2993

■ 78.7953, 0.2819,  
0.3062

# Harmonies

## Analogous

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



45.1997, 0.4154, 0.3753



45.1997, 0.3945, 0.4087



45.1997, 0.3522, 0.4230

# Triad

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



45.1997, 0.3945, 0.4087



45.1997, 0.2269, 0.3117



45.1997, 0.3176, 0.2653

# Complementary

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



45.1997, 0.3945, 0.4087



26.9169, 0.2355, 0.2327

# 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.



45.1997, 0.2683, 0.2487



45.1997, 0.3945, 0.4087



45.1997, 0.2194, 0.2710

# Square

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



45.1997, 0.3945, 0.4087



45.1997, 0.2559, 0.3635



45.1997, 0.2338, 0.2499



45.1997, 0.3694, 0.2958



# Rectangle

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



45.1997, 0.3945, 0.4087



45.1997, 0.3184, 0.4160



45.1997, 0.2338, 0.2499



45.1997, 0.3001, 0.2580

# Sweetspot

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



45.2018, 0.3945, 0.4087



91.0092, 0.3353, 0.3533



26.5139, 0.3938, 0.2915



19.1987, 0.3390, 0.3571



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.



45.2018, 0.3945, 0.4087



69.6597, 0.4136, 0.4236



55.5215, 0.3649, 0.4453



12.4832, 0.3273, 0.3449



20.1241, 0.4869, 0.4516



1.1698, 0.4706, 0.4645



# Inverse Universe

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



26.9169, 0.2355, 0.2327



36.2537, 0.2188, 0.2085



20.6784, 0.2420, 0.1933



11.4055, 0.2983, 0.3126



5.1740, 0.1622, 0.1039



0.4029, 0.1734, 0.1442



# Previews

## White Background



This preview shows how the Yxy color 45.1997, 0.3945, 0.4087 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

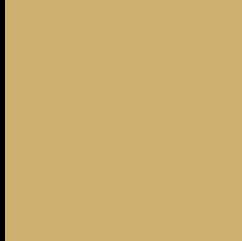
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.1997, 0.3945, 0.4087 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 45.1997, 0.3945, 0.4087**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.1997, 0.3945, 0.4087.

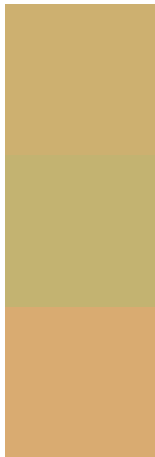


This preview shows how white text looks on a background with the Yxy color 45.1997, 0.3945, 0.4087.

# 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

45.1997, 0.3945, 0.4087

### Protanopia

45.0346, 0.3825, 0.4141

### Deuteranopia

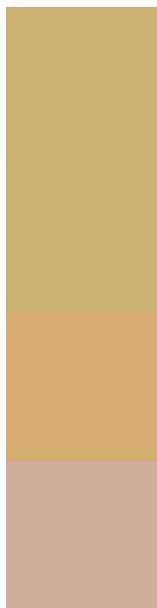
45.0698, 0.4081, 0.3984



## Tritanopia

45.3385, 0.3421, 0.3133

# Trichromacy



## Original Color

45.1997, 0.3945, 0.4087

## Protanomaly

45.1752, 0.3869, 0.4117

## Deuteranomaly

45.2255, 0.4031, 0.4018

## Tritanomaly

45.0814, 0.3615, 0.3478

# Monochromacy



## Original Color

45.1997, 0.3945, 0.4087

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

44.3090, 0.3419, 0.3610

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.1997, 0.3945, 0.4087 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(205, 176, 112)` looks like.

```
.text, #text, p{  
    color:rgb(205, 176, 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(205, 176, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 176, 112) }
```

## Border

The CSS property to change the border of an element to Yxy 45.1997, 0.3945, 0.4087 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(205, 176, 112) }
```

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

```
.border{ border-color:rgb(205, 176, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 176, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 176, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 176, 112);  
box-shadow:4px 4px 4px 4px rgb(205, 176,  
112) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.1997, 0.3945, 0.4087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 176, 112) }
```

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

```
.background{ background-color: rgb(205,  
176, 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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