

# Converting Colors

$Y_{xy}(45.3284, 0.3947, 0.3978)$

Have a look what the booklet for  
Yxy(45.3284, 0.3947, 0.3978)  
contains.

<b>Yxy(45.2817, 0.3954, 0.3980)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(45.2817, 0.3954, 0.3980)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2AE76
RGB	210, 174, 118
RGB Percent	82%, 68%, 46%
CMY	0.1764, 0.3176, 0.5373
CMYK	0.00, 0.17, 0.44, 0.18
HSL	37°, 51%, 64%
HSV	37°, 44%, 82%
XYZ	44.9859, 45.2817, 23.5055
YIQ	178.3800, 39.4320, -9.7840

# Conversions

## Conversions Part 2

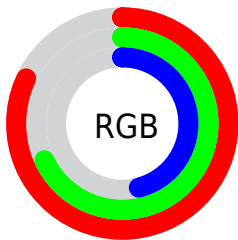
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	177, 210, 118
Decimal	13807222
CIE Lab	73.08, 5.70, 33.60
CIE LCh	73, 34.084, 80.365
Yxy	45.2817, 0.3954, 0.3980
Android (android.graphics.Color)	4291997302 (0xFFD2AE76)
YUV	178.3800, -29.7673, 27.7307
Hunter-Lab	67.2917, 1.5705, 26.3937

# Details

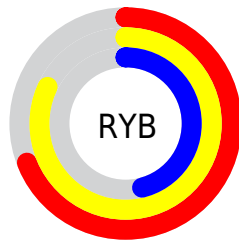
The Yxy color **45.2817, 0.3954, 0.3980** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.6152, 0.2400, 0.2475**, and the grayscale version is **44.8789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2389, 0.3704, 0.3880**, and **21.2188, 0.4174, 0.4146** is the 20% darker color. If you saturate the color by 10%, you get **41.7601, 0.4182, 0.4125**, and if you desaturate by 10%, it is **49.1130, 0.3737, 0.3822**.

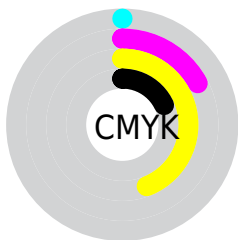
# Distribution



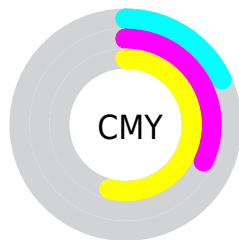
- Red (82%)
- Green (68%)
- Blue (46%)



- Red (69%)
- Yellow (82%)
- Blue (46%)



- Cyan (0%)
- Magenta (17%)
- Yellow (44%)
- Black (18%)




- Cyan (18%)
- Magenta (32%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2817, 0.3954, 0.3980 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 45.2817, 0.3954, 0.3980 by changing the saturation by 10% instead.





 45.2817, 0.3954,  
0.3980


 45.2817, 0.3954,  
0.3980


367.9133, 0.3543,  
0.3647

 31.6794, 0.4053,  
0.4057


 83.1430, 0.3807,  
0.3863

 21.1167, 0.4177,  
0.4151


 108.1707, 0.3751,  
0.3818

 13.2093, 0.4335,  
0.4267

 137.7757, 0.3703,  
0.3779

 7.5729, 0.4539,  
0.4409

172.3423, 0.3662,  
0.3745

 3.8229, 0.4855,  
0.4622

212.2550, 0.3627,  
0.3716

 1.5750, 0.5207,  
0.4793

257.8981, 0.3595,

 0.3406, 0.5761,

0.3690

0.4239

309.6561, 0.3568,  
0.3667

0.0000, 0.0000,  
0.0000

45.2817, 0.3954,  
0.3980

45.2817, 0.3954,  
0.3980

41.7601, 0.4182,  
0.4125

49.1130, 0.3737,  
0.3822

38.5309, 0.4413,  
0.4247

53.2577, 0.3535,  
0.3660

35.5843, 0.4636,  
0.4333

57.7275, 0.3351,  
0.3500


32.9070, 0.4838,  
0.4372

62.5313, 0.3185,  
0.3346

30.4835, 0.5009,  
0.4359

67.6778, 0.3038,  
0.3202

 29.0976, 0.5102,  
0.4331

 73.1750, 0.2908,  
0.3067

 78.3700, 0.2848,  
0.3042

 83.0927, 0.2852,  
0.3130

 88.0344, 0.2857,  
0.3216

# Harmonies

## Analogous

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



45.2817, 0.4090, 0.3647



45.2817, 0.3954, 0.3980



45.2817, 0.3596, 0.4156

# Triad

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



45.2817, 0.3954, 0.3980



45.2817, 0.2367, 0.3233



45.2817, 0.3067, 0.2646

# Complementary

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



45.2817, 0.3954, 0.3980



31.6152, 0.2400, 0.2475

# 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.



45.2817, 0.2629, 0.2525



45.2817, 0.3954, 0.3980



45.2817, 0.2250, 0.2820

# Square

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



45.2817, 0.3954, 0.3980



45.2817, 0.2680, 0.3712



45.2817, 0.2342, 0.2577



45.2817, 0.3557, 0.2909



# Rectangle

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



45.2817, 0.3954, 0.3980



45.2817, 0.3288, 0.4132



45.2817, 0.2342, 0.2577



45.2817, 0.2909, 0.2588

# Sweetspot

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



45.2838, 0.3954, 0.3980



90.0470, 0.3339, 0.3489



29.0176, 0.3803, 0.2833



18.9313, 0.3378, 0.3525



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.



45.2838, 0.3954, 0.3980



64.9077, 0.4177, 0.4122



59.7964, 0.3698, 0.4391



12.9886, 0.3276, 0.3431



17.9480, 0.5085, 0.4344



1.1555, 0.4879, 0.4508

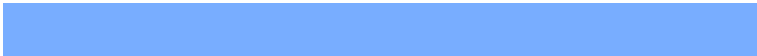


# Inverse Universe

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



31.6152, 0.2400, 0.2475



40.9878, 0.2234, 0.2252



22.1353, 0.2383, 0.1961



12.1656, 0.2982, 0.3145



6.7180, 0.1681, 0.1249

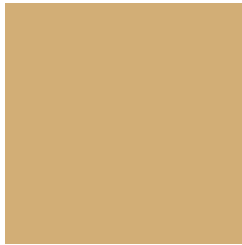


0.5283, 0.1783, 0.1620



# Previews

## White Background



This preview shows how the Yxy color 45.2817, 0.3954, 0.3980 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 45.2817, 0.3954, 0.3980 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 45.2817, 0.3954, 0.3980**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.2817, 0.3954, 0.3980.



This preview shows how white text looks on a background with the Yxy color 45.2817, 0.3954, 0.3980.

# 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

45.2817, 0.3954, 0.3980

### Protanopia

45.6007, 0.3764, 0.4066

### Deuteranopia

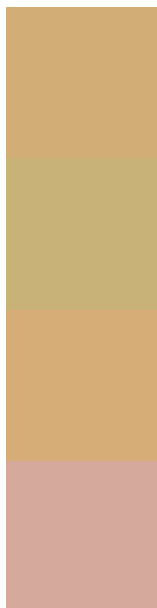
45.4120, 0.4022, 0.3941



## Tritanopia

45.1260, 0.3480, 0.3135

# Trichromacy



## Original Color

45.2817, 0.3954, 0.3980

## Protanomaly

45.4521, 0.3829, 0.4041

## Deuteranomaly

45.4913, 0.3997, 0.3958

## Tritanomaly

45.1064, 0.3659, 0.3438

# Monochromacy



## Original Color

45.2817, 0.3954, 0.3980

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

44.7917, 0.3421, 0.3567

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.2817, 0.3954, 0.3980 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(210, 174, 118)` looks like.

```
.text, #text, p{  
    color:rgb(210, 174, 118)  
}
```

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(210, 174, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 174, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 45.2817, 0.3954, 0.3980 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(210, 174, 118) }
```

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

```
.border{ border-color:rgb(210, 174, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 174, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 174, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 174, 118);  
box-shadow:4px 4px 4px 4px rgb(210, 174,  
118) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.2817, 0.3954, 0.3980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 174, 118) }
```

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

```
.background{ background-color: rgb(210,  
174, 118) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor