

# Converting Colors

$Y_{xy}(45.2276, 0.3670, 0.3819)$

Have a look what the booklet for  
Yxy(45.2276, 0.3670, 0.3819)  
contains.

<b>Yxy(45.2276, 0.3670, 0.3819)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(45.2276, 0.3670, 0.3819)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6B188
RGB	198, 177, 136
RGB Percent	78%, 69%, 53%
CMY	0.2234, 0.3059, 0.4666
CMYK	0.00, 0.11, 0.31, 0.22
HSL	40°, 35%, 66%
HSV	40°, 31%, 78%
XYZ	43.4630, 45.2276, 29.7372
YIQ	178.6050, 25.6770, -8.2990

# Conversions

## Conversions Part 2

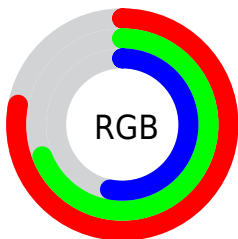
<b>Format</b>	<b>Color</b>
<b>RYB</b>	168, 198, 136
Decimal	13021576
CIELab	73.04, 1.41, 23.76
CIELCh	73, 23.801, 86.604
Yxy	45.2276, 0.3670, 0.3819
Android (android.graphics.Color)	4291211656 (0xFFC6B188)
YUV	178.6050, -21.0043, 17.0094
Hunter-Lab	67.2515, -2.3298, 20.8592

# Details

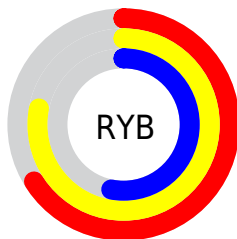
The Yxy color **45.2276, 0.3670, 0.3819** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.4501, 0.2613, 0.2696**, and the grayscale version is **44.9654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2555, 0.3565, 0.3725**, and **21.1788, 0.3813, 0.3971** is the 20% darker color. If you saturate the color by 10%, you get **42.1278, 0.3873, 0.3990**, and if you desaturate by 10%, it is **48.5663, 0.3480, 0.3645**.

# Distribution



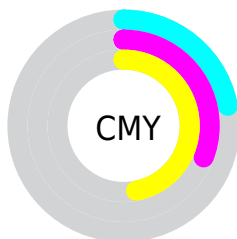
- Red (78%)
- Green (69%)
- Blue (53%)



- Red (66%)
- Yellow (78%)
- Blue (53%)



- Cyan (0%)
- Magenta (11%)
- Yellow (31%)
- Black (22%)




- Cyan (22%)
- Magenta (31%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2276, 0.3670, 0.3819 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 45.2276, 0.3670, 0.3819 by changing the saturation by 10% instead.





 45.2276, 0.3670,  
0.3819

 45.2276, 0.3670,  
0.3819


367.6946, 0.3399,  
0.3556

 31.6367, 0.3737,  
0.3883


 83.0618, 0.3572,  
0.3724

 21.0842, 0.3822,  
0.3965


 108.0740, 0.3535,  
0.3689

 13.1856, 0.3933,  
0.4070


 137.6621, 0.3503,  
0.3658

 7.5564, 0.4084,  
0.4212

172.2104, 0.3477,  
0.3632

 3.8125, 0.4294,  
0.4406

212.1035, 0.3453,  
0.3609

 1.5692, 0.4957,  
0.5043

257.7256, 0.3433,

 0.3367, 0.5128,

0.3589

0.4872

309.4611, 0.3415,  
0.3572

0.0000, 0.0000,  
0.0000

45.2276, 0.3670,  
0.3819

45.2276, 0.3670,  
0.3819

42.1278, 0.3873,  
0.3990

48.5663, 0.3480,  
0.3645

39.2531, 0.4084,  
0.4150

52.1449, 0.3305,  
0.3474

36.5975, 0.4295,  
0.4289

55.9722, 0.3147,  
0.3311

34.1519, 0.4499,  
0.4395

60.0544, 0.3005,  
0.3157

31.9063, 0.4683,  
0.4459

64.3978, 0.2877,  
0.3013

■ 29.8491, 0.4839,  
0.4472

■ 69.0082, 0.2764,  
0.2881

■ 28.1988, 0.4953,  
0.4449

■ 72.5606, 0.2769,  
0.2954

■ 76.2455, 0.2775,  
0.3029

■ 80.0748, 0.2780,  
0.3102

# Harmonies

## Analogous

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



45.2276, 0.3795, 0.3611



45.2276, 0.3670, 0.3819



45.2276, 0.3400, 0.3892

# Triad

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



45.2276, 0.3670, 0.3819



45.2276, 0.2557, 0.3192



45.2276, 0.3162, 0.2859

# Complementary

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



45.2276, 0.3670, 0.3819



33.4501, 0.2613, 0.2696

# 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.



45.2276, 0.2835, 0.2748



45.2276, 0.3670, 0.3819



45.2276, 0.2500, 0.2920

# Square

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



45.2276, 0.3670, 0.3819



45.2276, 0.2759, 0.3516



45.2276, 0.2599, 0.2765



45.2276, 0.3494, 0.3070



# Rectangle

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



45.2276, 0.3670, 0.3819



45.2276, 0.3178, 0.3840



45.2276, 0.2599, 0.2765



45.2276, 0.3047, 0.2809

# Sweetspot

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



45.2297, 0.3670, 0.3819



93.7402, 0.3269, 0.3438



32.0831, 0.3584, 0.3006



19.8551, 0.3294, 0.3463



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.



45.2297, 0.3670, 0.3819



76.0367, 0.3816, 0.3944



52.9685, 0.3515, 0.4085



11.7873, 0.3273, 0.3442



18.4944, 0.4940, 0.4459



1.0060, 0.4747, 0.4613



# Inverse Universe

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



33.4501, 0.2613, 0.2696



51.7535, 0.2484, 0.2531



27.7408, 0.2658, 0.2398



10.8660, 0.2983, 0.3133



5.4204, 0.1642, 0.1111



0.3913, 0.1762, 0.1543



# Previews

## White Background



This preview shows how the Yxy color 45.2276, 0.3670, 0.3819 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

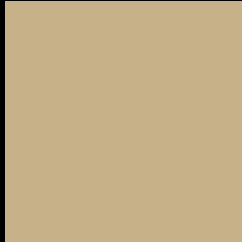
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.2276, 0.3670, 0.3819 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

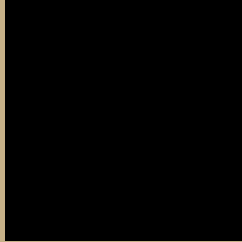
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.2276, 0.3670, 0.3819**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.2276, 0.3670, 0.3819.



This preview shows how white text looks on a background with the Yxy color 45.2276, 0.3670, 0.3819.

# 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

45.2276, 0.3670, 0.3819

### Protanopia

45.2528, 0.3597, 0.3842

### Deuteranopia

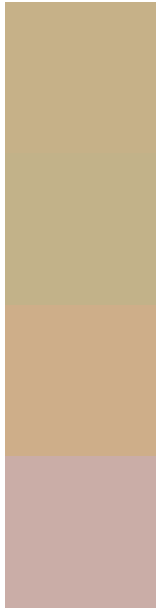
45.1601, 0.3805, 0.3725



## Tritanopia

45.4239, 0.3316, 0.3130

# Trichromacy



## Original Color

45.2276, 0.3670, 0.3819

## Protanomaly

45.1163, 0.3620, 0.3826

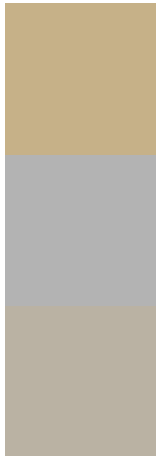
## Deuteranomaly

45.2001, 0.3749, 0.3757

## Tritanomaly

45.2337, 0.3444, 0.3367

# Monochromacy



## Original Color

45.2276, 0.3670, 0.3819

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

44.9242, 0.3322, 0.3489

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.2276, 0.3670, 0.3819 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(198, 177, 136)` looks like.

```
.text, #text, p{  
    color:rgb(198, 177, 136)  
}
```

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(198, 177, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 177, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 45.2276, 0.3670, 0.3819 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(198, 177, 136) }
```

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

```
.border{ border-color:rgb(198, 177, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 177, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 177, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 177, 136);  
box-shadow:4px 4px 4px 4px rgb(198, 177,  
136) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.2276, 0.3670, 0.3819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 177, 136) }
```

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

```
.background{ background-color: rgb(198,  
177, 136) }
```

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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