

# Converting Colors

$Y_{xy}(45.2528, 0.3597, 0.3842)$

Have a look what the booklet for  
Yxy(45.2528, 0.3597, 0.3842)  
contains.

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# Color

**Yxy(45.2528, 0.3597, 0.3842)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0B389
RGB	192, 179, 137
RGB Percent	75%, 70%, 54%
CMY	0.2472, 0.2980, 0.4628
CMYK	0.00, 0.07, 0.29, 0.25
HSL	46°, 30%, 65%
HSV	46°, 29%, 75%
XYZ	42.3671, 45.2528, 30.1646
YIQ	178.0990, 21.2300, -10.3060

# Conversions

## Conversions Part 2

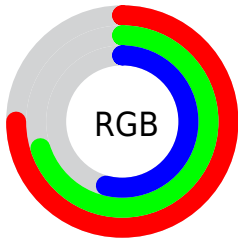
Format	Color
<b>RYB</b>	154, 192, 137
Decimal	12628873
CIELab	73.06, -1.93, 23.17
CIElCh	73, 23.249, 94.753
Yxy	45.2528, 0.3597, 0.3842
Android (android.graphics.Color)	4290818953 (0xFFC0B389)
YUV	178.0990, -20.2618, 12.1912
Hunter-Lab	67.2702, -5.3027, 20.5029

# Details

The Yxy color **45.2528, 0.3597, 0.3842** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.9166, 0.2652, 0.2669**, and the grayscale version is **44.6755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3180, 0.3510, 0.3740**, and **21.0131, 0.3730, 0.3986** is the 20% darker color. If you saturate the color by 10%, you get **42.9686, 0.3779, 0.4037**, and if you desaturate by 10%, it is **47.6986, 0.3423, 0.3645**.

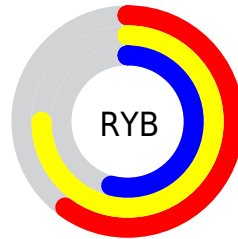
# Distribution



Red (75%)

Green (70%)

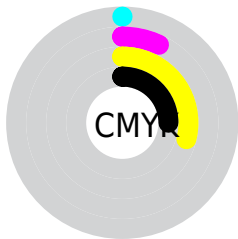
Blue (54%)



Red (60%)

Yellow (75%)

Blue (54%)

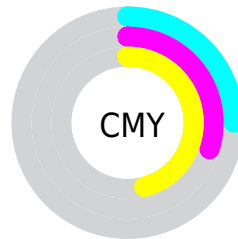


Cyan (0%)

Magenta (7%)

Yellow (29%)

Black (25%)



Cyan (25%)

Magenta (30%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2528, 0.3597, 0.3842 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 45.2528, 0.3597, 0.3842 by changing the saturation by 10% instead.



 45.2528, 0.3597,  
0.3842


 45.2528, 0.3597,  
0.3842


367.7964, 0.3363,  
0.3565


 31.6566, 0.3654,  
0.3911


 83.0996, 0.3513,  
0.3741

 21.0993, 0.3727,  
0.3998


 108.1191, 0.3481,  
0.3704

 13.1966, 0.3822,  
0.4114


 137.7150, 0.3454,  
0.3672

 7.5641, 0.3949,  
0.4271

172.2719, 0.3430,  
0.3644

 3.8173, 0.4126,  
0.4493

212.1740, 0.3410,  
0.3621

 1.5719, 0.4757,  
0.5243

257.8059, 0.3393,

 0.3385, 0.4480,

0.3600

0.5520

309.5519, 0.3377,  
0.3581

0.0000, 0.0000,  
0.0000

45.2528, 0.3597,  
0.3842

45.2528, 0.3597,  
0.3842

42.9686, 0.3779,  
0.4037

47.6986, 0.3423,  
0.3645

40.8340, 0.3963,  
0.4221

50.3053, 0.3259,  
0.3451

38.8449, 0.4143,  
0.4386

53.0798, 0.3107,  
0.3265

36.9944, 0.4310,  
0.4519

56.0270, 0.2969,  
0.3090

35.2748, 0.4457,  
0.4613

59.1514, 0.2844,  
0.2927

■ 33.6771, 0.4578,  
0.4660

■ 62.4573, 0.2731,  
0.2777

■ 32.1868, 0.4671,  
0.4664

■ 64.8494, 0.2719,  
0.2799

■ 31.9896, 0.4683,  
0.4664

■ 67.1237, 0.2724,  
0.2851

■ 69.4618, 0.2728,  
0.2902

# Harmonies

## Analogous

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



45.2528, 0.3764, 0.3668



45.2528, 0.3597, 0.3842



45.2528, 0.3307, 0.3867

# Triad

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



45.2528, 0.3597, 0.3842



45.2528, 0.2540, 0.3114



45.2528, 0.3253, 0.2916

# Complementary

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



45.2528, 0.3597, 0.3842



30.9166, 0.2652, 0.2669

# 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.



45.2528, 0.2923, 0.2778



45.2528, 0.3597, 0.3842



45.2528, 0.2526, 0.2874

# Square

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



45.2528, 0.3597, 0.3842



45.2528, 0.2702, 0.3426



45.2528, 0.2662, 0.2759



45.2528, 0.3562, 0.3143



# Rectangle

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



45.2528, 0.3597, 0.3842



45.2528, 0.3087, 0.3782



45.2528, 0.2662, 0.2759



45.2528, 0.3140, 0.2858

# Sweetspot

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



45.2549, 0.3597, 0.3842



90.9380, 0.3267, 0.3461



31.3169, 0.3593, 0.3105



19.3569, 0.3290, 0.3489



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

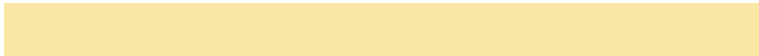


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.2549, 0.3597, 0.3842



79.5480, 0.3704, 0.3958



48.9828, 0.3433, 0.4026



11.3431, 0.3270, 0.3465



21.6576, 0.4676, 0.4670



1.0357, 0.4547, 0.4772



# Inverse Universe

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



30.9166, 0.2652, 0.2669



49.5657, 0.2543, 0.2517



28.2472, 0.2756, 0.2498



10.1246, 0.2983, 0.3109



3.9374, 0.1577, 0.0876



0.2802, 0.1699, 0.1318



# Previews

## White Background



This preview shows how the Yxy color 45.2528, 0.3597, 0.3842 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

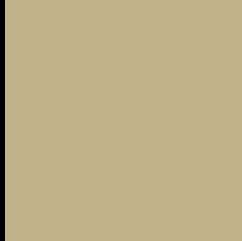
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.2528, 0.3597, 0.3842 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 45.2528, 0.3597, 0.3842**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.2528, 0.3597, 0.3842.



This preview shows how white text looks on a background with the Yxy color 45.2528, 0.3597, 0.3842.

# 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

45.2528, 0.3597, 0.3842

### Protanopia

45.2528, 0.3597, 0.3842

### Deuteranopia

45.0417, 0.3786, 0.3714



## Tritanopia

45.0560, 0.3243, 0.3115

# Trichromacy



## Original Color

45.2528, 0.3597, 0.3842

## Protanomaly

45.2528, 0.3597, 0.3842

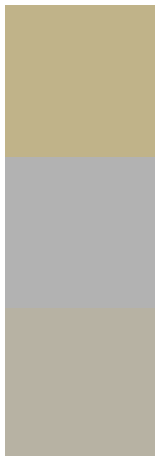
## Deuteranomaly

45.1914, 0.3707, 0.3761

## Tritanomaly

45.2229, 0.3376, 0.3380

# Monochromacy



## Original Color

45.2528, 0.3597, 0.3842

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

44.5524, 0.3295, 0.3490

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.2528, 0.3597, 0.3842 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(192, 179, 137)` looks like.

```
.text, #text, p{  
    color:rgb(192, 179, 137)  
}
```

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(192, 179, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 179, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 45.2528, 0.3597, 0.3842 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(192, 179, 137) }
```

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

```
.border{ border-color:rgb(192, 179, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 179, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 179, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 179, 137);  
box-shadow:4px 4px 4px 4px rgb(192, 179,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.2528, 0.3597, 0.3842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 179, 137) }
```

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

```
.background{ background-color: rgb(192,  
179, 137) }
```

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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