

# Converting Colors

$Yxy(44.3736, 0.3733, 0.3895)$

Have a look what the booklet for  
Yxy(44.3736, 0.3733, 0.3895)  
contains.

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# Color

**Yxy(44.5060, 0.3725, 0.3899)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5B081
RGB	197, 176, 129
RGB Percent	77%, 69%, 51%
CMY	0.2273, 0.3098, 0.4941
CMYK	0.00, 0.11, 0.35, 0.23
HSL	41°, 37%, 64%
HSV	41°, 35%, 77%
XYZ	42.5198, 44.5060, 27.1214
YIQ	176.9210, 27.6030, -10.1650

# Conversions

## Conversions Part 2

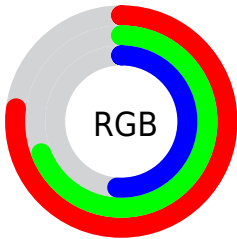
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 197, 129
Decimal	12955777
CIELab	72.57, 0.66, 26.86
CIELCh	73, 26.868, 88.602
Yxy	44.5060, 0.3725, 0.3899
Android (android.graphics.Color)	4291145857 (0xFFC5B081)
YUV	176.9210, -23.6251, 17.6093
Hunter-Lab	66.7128, -2.9793, 22.5953

# Details

The Yxy color **44.5060, 0.3725, 0.3899** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.5274, 0.2552, 0.2593**, and the grayscale version is **44.0412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7892, 0.3624, 0.3787**, and **20.7306, 0.3888, 0.4076** is the 20% darker color. If you saturate the color by 10%, you get **41.6976, 0.3924, 0.4074**, and if you desaturate by 10%, it is **47.5268, 0.3535, 0.3718**.

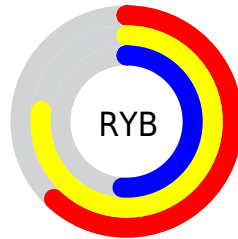
# Distribution



Red (77%)

Green (69%)

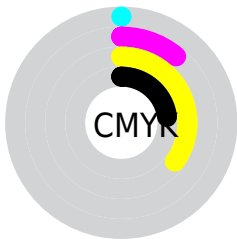
Blue (51%)



Red (62%)

Yellow (77%)

Blue (51%)

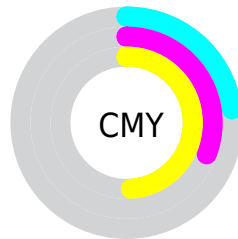


Cyan (0%)

Magenta (11%)

Yellow (35%)

Black (23%)



Cyan (23%)

Magenta (31%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5060, 0.3725, 0.3899 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 44.5060, 0.3725, 0.3899 by changing the saturation by 10% instead.





 44.5060, 0.3725,  
0.3899

 44.5060, 0.3725,  
0.3899


364.7691, 0.3427,  
0.3596


 31.0685, 0.3798,  
0.3973


 81.9786, 0.3617,  
0.3790

 20.6510, 0.3891,  
0.4066


 106.7825, 0.3577,  
0.3749

 12.8691, 0.4011,  
0.4187


 136.1440, 0.3542,  
0.3713

 7.3385, 0.4170,  
0.4347

170.4475, 0.3512,  
0.3683

 3.6747, 0.4390,  
0.4564

210.0773, 0.3487,  
0.3657

 1.4933, 0.4913,  
0.5087

255.4180, 0.3464,

 0.2840, 0.5017,

0.3634

0.4983

306.8538, 0.3444,  
0.3614

0.0000, 0.0000,  
0.0000

44.5060, 0.3725,  
0.3899

44.5060, 0.3725,  
0.3899

41.6976, 0.3924,  
0.4074

47.5268, 0.3535,  
0.3718

39.0882, 0.4128,  
0.4234

50.7606, 0.3358,  
0.3539

36.6720, 0.4327,  
0.4369

54.2157, 0.3196,  
0.3366

34.4404, 0.4513,  
0.4468

57.8981, 0.3048,  
0.3201

32.3836, 0.4675,  
0.4522

61.8136, 0.2916,  
0.3047

■ 30.4899, 0.4808,  
0.4526

■ 65.9675, 0.2798,  
0.2905

■ 29.5104, 0.4872,  
0.4514

■ 69.5726, 0.2758,  
0.2894

■ 72.8034, 0.2764,  
0.2962

■ 76.1519, 0.2769,  
0.3029

# Harmonies

## Analogous

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



44.5060, 0.3883, 0.3667



44.5060, 0.3725, 0.3899



44.5060, 0.3409, 0.3975

# Triad

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



44.5060, 0.3725, 0.3899



44.5060, 0.2474, 0.3152



44.5060, 0.3191, 0.2818

# Complementary

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



44.5060, 0.3725, 0.3899



30.5274, 0.2552, 0.2593

# 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.



44.5060, 0.2818, 0.2684



44.5060, 0.3725, 0.3899



44.5060, 0.2423, 0.2852

# Square

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



44.5060, 0.3725, 0.3899



44.5060, 0.2690, 0.3523



44.5060, 0.2545, 0.2691



44.5060, 0.3566, 0.3060



# Rectangle

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



44.5060, 0.3725, 0.3899



44.5060, 0.3156, 0.3908



44.5060, 0.2545, 0.2691



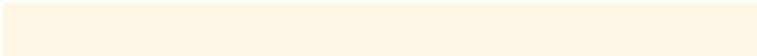
44.5060, 0.3060, 0.2759

# Sweetspot

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



44.5080, 0.3725, 0.3899



93.5366, 0.3285, 0.3462



29.7972, 0.3675, 0.3005



19.8334, 0.3309, 0.3487



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.



44.5080, 0.3725, 0.3899



76.0749, 0.3866, 0.4024



51.7904, 0.3533, 0.4174



11.8421, 0.3273, 0.3449



19.5581, 0.4861, 0.4523



1.0505, 0.4690, 0.4658



# Inverse Universe

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



30.5274, 0.2552, 0.2593



47.5237, 0.2424, 0.2420



25.4407, 0.2621, 0.2299



10.8136, 0.2983, 0.3126



4.9730, 0.1621, 0.1035



0.3658, 0.1741, 0.1468



# Previews

## White Background



This preview shows how the Yxy color 44.5060, 0.3725, 0.3899 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 44.5060, 0.3725, 0.3899 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

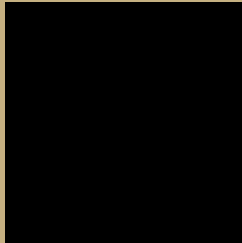
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.5060, 0.3725, 0.3899**

## Background



This preview shows how black text looks on a background with the Yxy color 44.5060, 0.3725, 0.3899.



This preview shows how white text looks on a background with the Yxy color 44.5060, 0.3725, 0.3899.

# 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

44.5060, 0.3725, 0.3899

### Protanopia

44.5289, 0.3651, 0.3923

### Deuteranopia

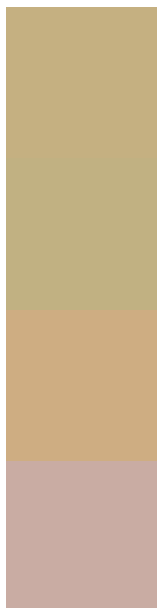
44.5864, 0.3873, 0.3799



## Tritanopia

44.4498, 0.3327, 0.3129

# Trichromacy



## Original Color

44.5060, 0.3725, 0.3899

## Protanomaly

44.3934, 0.3674, 0.3907

## Deuteranomaly

44.6207, 0.3815, 0.3832

## Tritanomaly

44.5669, 0.3473, 0.3405

# Monochromacy



## Original Color

44.5060, 0.3725, 0.3899

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

44.1727, 0.3331, 0.3517

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.5060, 0.3725, 0.3899 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(197, 176, 129)` looks like.

```
.text, #text, p{  
    color:rgb(197, 176, 129)  
}
```

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(197, 176, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 176, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 44.5060, 0.3725, 0.3899 is called "border". The border property can be set on classes, ids or directly on the HTML element.

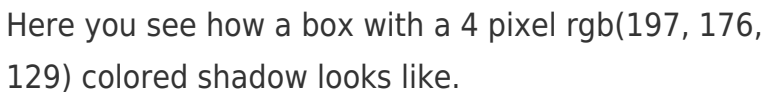
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 176, 129) }
```

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

```
.border{ border-color:rgb(197, 176, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 176, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 176, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 176, 129); box-shadow:4px 4px 4px 4px rgb(197, 176, 129) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.5060, 0.3725, 0.3899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 176, 129) }
```

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

```
.background{ background-color: rgb(197,  
176, 129) }
```

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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