

# Converting Colors

$Yxy(50.3545, 0.3796, 0.4158)$

Have a look what the booklet for  
Yxy(50.3545, 0.3796, 0.4158)  
contains.

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# Color

**Yxy(50.2837, 0.3795, 0.4159)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CABD77
RGB	202, 189, 119
RGB Percent	79%, 74%, 47%
CMY	0.2079, 0.2588, 0.5334
CMYK	0.00, 0.06, 0.41, 0.21
HSL	51°, 44%, 63%
HSV	51°, 41%, 79%
XYZ	45.8828, 50.2837, 24.7368
YIQ	184.9070, 30.2180, -19.0140

# Conversions

## Conversions Part 2

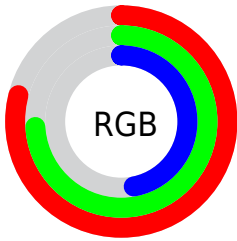
Format	Color
<a href="#">RYB</a>	<a href="#">134, 202, 119</a>
Decimal	<a href="#">13286775</a>
CIELab	<a href="#">76.24, -5.37, 37.00</a>
CIELCh	<a href="#">76, 37.390, 98.257</a>
Yxy	<a href="#">50.2837, 0.3795, 0.4159</a>
Android (android.graphics.Color)	<a href="#">4291476855 (0xFFCABD77)</a>
YUV	<a href="#">184.9070, -32.4922, 14.9906</a>
Hunter-Lab	<a href="#">70.9110, -8.5962, 28.9548</a>

# Details

The Yxy color **50.2837, 0.3795, 0.4159** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **24.6817, 0.2401, 0.2235**, and the grayscale version is **48.6332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5434, 0.3649, 0.4017**, and **24.1490, 0.3949, 0.4389** is the 20% darker color. If you saturate the color by 10%, you get **48.5062, 0.3960, 0.4353**, and if you desaturate by 10%, it is **52.1986, 0.3626, 0.3950**.

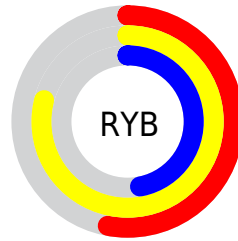
# Distribution



Red (79%)

Green (74%)

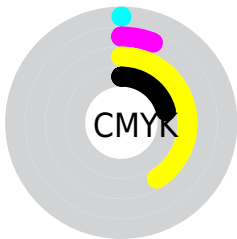
Blue (47%)



Red (53%)

Yellow (79%)

Blue (47%)

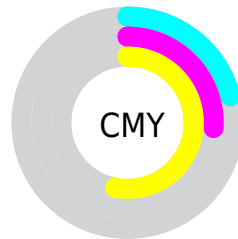


Cyan (0%)

Magenta (6%)

Yellow (41%)

Black (21%)



Cyan (21%)

Magenta (26%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2837, 0.3795, 0.4159 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 50.2837, 0.3795, 0.4159 by changing the saturation by 10% instead.





 50.2837, 0.3795,  
0.4159

 50.2837, 0.3795,  
0.4159


387.7743, 0.3476,  
0.3733


 35.6389, 0.3868,  
0.4260


 90.5951, 0.3684,  
0.4008

 24.1554, 0.3956,  
0.4385


 117.0304, 0.3640,  
0.3950

 15.4490, 0.4065,  
0.4544


 148.1647, 0.3603,  
0.3900

 9.1351, 0.4196,  
0.4747

184.3824, 0.3571,  
0.3858

 4.8294, 0.4370,  
0.5030

226.0677, 0.3543,  
0.3820

 2.1475, 0.4578,  
0.5422

273.6053, 0.3518,

 0.6911, 0.4321,

0.3788

0.5679

327.3793, 0.3496,  
0.3759

0.0000, 0.0000,  
0.0000

50.2837, 0.3795,  
0.4159

50.2837, 0.3795,  
0.4159

48.5062, 0.3960,  
0.4353

52.1986, 0.3626,  
0.3950

46.8524, 0.4114,  
0.4523

54.2501, 0.3458,  
0.3734

45.3171, 0.4250,  
0.4658

56.4463, 0.3296,  
0.3520

43.8916, 0.4362,  
0.4750

58.7925, 0.3143,  
0.3312

42.5658, 0.4446,  
0.4798

61.2939, 0.3001,  
0.3115

■ 41.4521, 0.4501,  
0.4808

■ 63.9551, 0.2871,  
0.2930

■ 66.4288, 0.2784,  
0.2813

■ 68.0159, 0.2786,  
0.2849

■ 69.6340, 0.2789,  
0.2884

# Harmonies

## Analogous

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



50.2837, 0.4093, 0.3886



50.2837, 0.3795, 0.4159



50.2837, 0.3330, 0.4194

# Triad

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



50.2837, 0.3795, 0.4159



50.2837, 0.2226, 0.2948



50.2837, 0.3375, 0.2762

# Complementary

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



50.2837, 0.3795, 0.4159



24.6817, 0.2401, 0.2235

# 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.



50.2837, 0.2861, 0.2540



50.2837, 0.3795, 0.4159



50.2837, 0.2235, 0.2615

# Square

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



50.2837, 0.3795, 0.4159



50.2837, 0.2435, 0.3434



50.2837, 0.2456, 0.2482



50.2837, 0.3851, 0.3102



# Rectangle

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



50.2837, 0.3795, 0.4159



50.2837, 0.2993, 0.4044



50.2837, 0.2456, 0.2482



50.2837, 0.3199, 0.2672

# Sweetspot

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



50.2860, 0.3795, 0.4159



95.1669, 0.3313, 0.3542



27.4359, 0.3989, 0.3111



20.2619, 0.3334, 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.



50.2860, 0.3795, 0.4159



82.5483, 0.3937, 0.4327



52.6062, 0.3499, 0.4385



12.7861, 0.3269, 0.3484



26.7829, 0.4496, 0.4812



1.4642, 0.4428, 0.4866



# Inverse Universe

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



24.6817, 0.2401, 0.2235



33.6547, 0.2230, 0.1970



23.6271, 0.2615, 0.2114



11.1227, 0.2982, 0.3088



3.4798, 0.1539, 0.0741

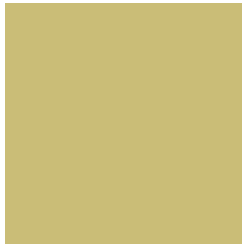


0.2715, 0.1626, 0.1054



# Previews

## White Background



This preview shows how the Yxy color 50.2837, 0.3795, 0.4159 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

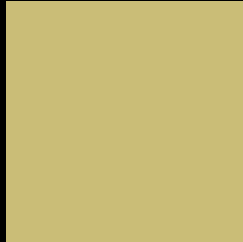
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.2837, 0.3795, 0.4159 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

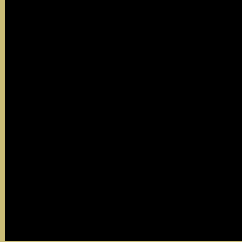
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.2837, 0.3795, 0.4159**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.2837, 0.3795, 0.4159.



This preview shows how white text looks on a background with the Yxy color 50.2837, 0.3795, 0.4159.

# 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

50.2837, 0.3795, 0.4159

### Protanopia

50.2775, 0.3827, 0.4139

### Deuteranopia

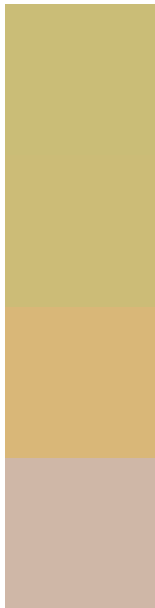
50.1917, 0.4045, 0.3971



## Tritanopia

50.2392, 0.3273, 0.3124

# Trichromacy



## Original Color

50.2837, 0.3795, 0.4159

## Protanomaly

50.1357, 0.3818, 0.4142

## Deuteranomaly

49.9748, 0.3955, 0.4038

## Tritanomaly

49.9224, 0.3468, 0.3488

# Monochromacy



## Original Color

50.2837, 0.3795, 0.4159

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

48.7674, 0.3369, 0.3613

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.2837, 0.3795, 0.4159 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(202, 189, 119)` looks like.

```
.text, #text, p{  
    color:rgb(202, 189, 119)  
}
```

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(202, 189, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 189, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 50.2837, 0.3795, 0.4159 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(202, 189, 119) }
```

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

```
.border{ border-color:rgb(202, 189, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 189, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 189, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 189, 119);  
box-shadow:4px 4px 4px 4px rgb(202, 189,  
119) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.2837, 0.3795, 0.4159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 189, 119) }
```

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

```
.background{ background-color: rgb(202,  
189, 119) }
```

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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