

# Converting Colors

$Yxy(42.9182, 0.3847, 0.3859)$

Have a look what the booklet for  
Yxy(42.9182, 0.3847, 0.3859)  
contains.

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# Color

**Yxy(42.9266, 0.3845, 0.3865)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CBA A7D
RGB	203, 170, 125
RGB Percent	80%, 67%, 49%
CMY	0.2039, 0.3333, 0.5098
CMYK	0.00, 0.16, 0.38, 0.20
HSL	35°, 43%, 64%
HSV	35°, 38%, 80%
XYZ	42.7045, 42.9266, 25.4339
YIQ	174.7370, 34.1130, -6.9990

# Conversions

## Conversions Part 2

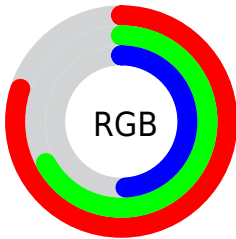
Format	Color
<b>RYB</b>	182, 203, 125
Decimal	13347453
CIELab	71.51, 5.78, 27.70
CIELCh	72, 28.295, 78.216
Yxy	42.9266, 0.3845, 0.3865
Android (android.graphics.Color)	4291537533 (0xFFCBAA7D)
YUV	174.7370, -24.5203, 24.7867
Hunter-Lab	65.5184, 1.6880, 22.8468

# Details

The Yxy color **42.9266, 0.3845, 0.3865** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.1203, 0.2501, 0.2632**, and the grayscale version is **42.8432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3248, 0.3668, 0.3770**, and **19.6679, 0.4049, 0.4025** is the 20% darker color. If you saturate the color by 10%, you get **39.3468, 0.4076, 0.4011**, and if you desaturate by 10%, it is **46.8267, 0.3630, 0.3712**.

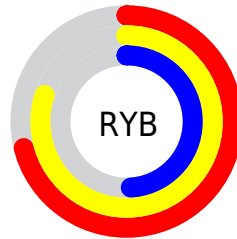
# Distribution



Red (80%)

Green (67%)

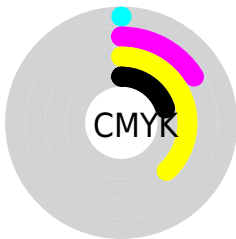
Blue (49%)



Red (71%)

Yellow (80%)

Blue (49%)

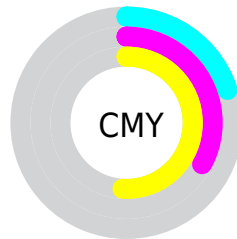


Cyan (0%)

Magenta (16%)

Yellow (38%)

Black (20%)



Cyan (20%)

Magenta (33%)


Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.9266, 0.3845, 0.3865 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 42.9266, 0.3845, 0.3865 by changing the saturation by 10% instead.




 42.9266, 0.3845,  
0.3865

 42.9266, 0.3845,  
0.3865


358.3098, 0.3483,  
0.3583


 29.8275, 0.3935,  
0.3932


 79.6001, 0.3713,  
0.3764

 19.7077, 0.4049,  
0.4016


 103.9433, 0.3664,  
0.3726

 12.1828, 0.4198,  
0.4122


 132.8033, 0.3622,  
0.3693

 6.8683, 0.4399,  
0.4257

166.5646, 0.3586,  
0.3665

 3.3799, 0.4693,  
0.4444

205.6115, 0.3555,  
0.3640

 1.3331, 0.5230,  
0.4770

250.3284, 0.3528,

 0.1666, 0.6425,

0.3619

0.3575

301.0997, 0.3504,  
0.3600

0.0000, 0.0000,  
0.0000

42.9266, 0.3845,  
0.3865

42.9266, 0.3845,  
0.3865

39.3468, 0.4076,  
0.4011

46.8267, 0.3630,  
0.3712

36.0708, 0.4316,  
0.4140

51.0509, 0.3435,  
0.3558

33.0893, 0.4558,  
0.4240


55.6106, 0.3260,  
0.3410

30.3899, 0.4788,  
0.4300


60.5144, 0.3104,  
0.3268

27.9586, 0.4992,  
0.4310


65.7709, 0.2966,  
0.3136

 25.7759, 0.5164,  
0.4269

 71.3882, 0.2845,  
0.3014

 25.4515, 0.5191,  
0.4261

 76.5704, 0.2804,  
0.3024

 81.4706, 0.2810,  
0.3117

 86.6096, 0.2816,  
0.3208

# Harmonies

## Analogous

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



42.9266, 0.3939, 0.3580



42.9266, 0.3845, 0.3865



42.9266, 0.3555, 0.4017

# Triad

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



42.9266, 0.3845, 0.3865



42.9266, 0.2494, 0.3275



42.9266, 0.3050, 0.2725

# Complementary

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



42.9266, 0.3845, 0.3865



33.1203, 0.2501, 0.2632

# 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.



42.9266, 0.2682, 0.2632



42.9266, 0.3845, 0.3865



42.9266, 0.2378, 0.2918

# Square

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



42.9266, 0.3845, 0.3865



42.9266, 0.2775, 0.3670



42.9266, 0.2444, 0.2693



42.9266, 0.3463, 0.2946



# Rectangle

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



42.9266, 0.3845, 0.3865



42.9266, 0.3298, 0.4001



42.9266, 0.2444, 0.2693



42.9266, 0.2917, 0.2678

# Sweetspot

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



42.9286, 0.3845, 0.3865



90.2020, 0.3323, 0.3464



29.8579, 0.3655, 0.2857



19.0897, 0.3346, 0.3484



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.



42.9286, 0.3845, 0.3865



66.9343, 0.4033, 0.3985



56.1707, 0.3654, 0.4250



12.2707, 0.3276, 0.3424



16.3810, 0.5173, 0.4275



0.9934, 0.4931, 0.4466



# Inverse Universe

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



33.1203, 0.2501, 0.2632



48.2714, 0.2362, 0.2462



23.7382, 0.2470, 0.2144



11.6109, 0.2983, 0.3153



7.1375, 0.1707, 0.1345

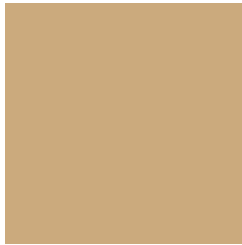


0.5174, 0.1815, 0.1733



# Previews

## White Background



This preview shows how the Yxy color 42.9266, 0.3845, 0.3865 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

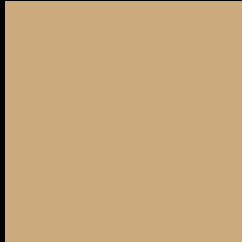
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.9266, 0.3845, 0.3865 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 42.9266, 0.3845, 0.3865**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.9266, 0.3845, 0.3865.



This preview shows how white text looks on a background with the Yxy color 42.9266, 0.3845, 0.3865.

# 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

42.9266, 0.3845, 0.3865

### Protanopia

43.0111, 0.3669, 0.3931

### Deuteranopia

42.8958, 0.3904, 0.3830



## Tritanopia

42.7389, 0.3438, 0.3130

# Trichromacy



**Original Color**

42.9266, 0.3845, 0.3865

**Protanomaly**

42.8628, 0.3734, 0.3908

**Deuteranomaly**

42.9784, 0.3879, 0.3846

**Tritanomaly**

42.8286, 0.3591, 0.3405

# Monochromacy



**Original Color**

42.9266, 0.3845, 0.3865

**Achromatopsia**

42.8690, 0.3127, 0.3290

**Achromatomaly**

42.6357, 0.3374, 0.3505

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.9266, 0.3845, 0.3865 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(203, 170, 125)` looks like.

```
.text, #text, p{  
    color:rgb(203, 170, 125)  
}
```

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(203, 170, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 170, 125) }
```

## Border

The CSS property to change the border of an element to Yxy 42.9266, 0.3845, 0.3865 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(203, 170, 125) }
```

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

```
.border{ border-color:rgb(203, 170, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 170, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 170, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 170, 125);  
box-shadow:4px 4px 4px 4px rgb(203, 170,  
125) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.9266, 0.3845, 0.3865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 170, 125) }
```

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

```
.background{ background-color: rgb(203,  
170, 125) }
```

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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