

# Converting Colors

$Yxy(49.8622, 0.3481, 0.3498)$

Have a look what the booklet for  
Yxy(49.8622, 0.3481, 0.3498)  
contains.

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# Color

**Yxy(49.8855, 0.3476, 0.3500)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CFB7A6
RGB	207, 183, 166
RGB Percent	81%, 72%, 65%
CMY	0.1883, 0.2823, 0.3490
CMYK	0.00, 0.12, 0.20, 0.19
HSL	25°, 30%, 73%
HSV	25°, 20%, 81%
XYZ	49.5434, 49.8855, 43.1011
YIQ	188.2380, 19.7610, -0.1990

# Conversions

## Conversions Part 2

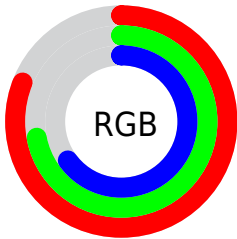
Format	Color
<a href="#">RYB</a>	<a href="#">207, 195, 166</a>
Decimal	<a href="#">13612966</a>
CIELab	<a href="#">76.00, 5.85, 11.77</a>
CIElCh	<a href="#">76, 13.142, 63.578</a>
Yxy	<a href="#">49.8855, 0.3476, 0.3500</a>
Android (android.graphics.Color)	<a href="#">4291803046 (0xFFCFB7A6)</a>
YUV	<a href="#">188.2380, -10.9633, 16.4543</a>
Hunter-Lab	<a href="#">70.6297, 1.6075, 13.2596</a>

# Details

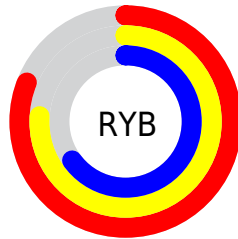
The Yxy color **49.8855, 0.3476, 0.3500** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.4274, 0.2820, 0.3070**, and the grayscale version is **50.4868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2135, 0.3348, 0.3469**, and **23.8556, 0.3573, 0.3556** is the 20% darker color. If you saturate the color by 10%, you get **44.4062, 0.3694, 0.3613**, and if you desaturate by 10%, it is **55.9212, 0.3287, 0.3391**.

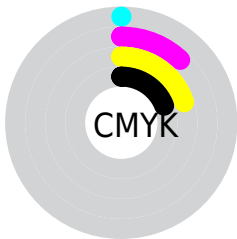
# Distribution



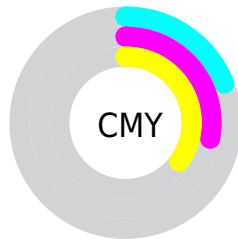
- Red (81%)
- Green (72%)
- Blue (65%)



- Red (81%)
- Yellow (76%)
- Blue (65%)



- Cyan (0%)
- Magenta (12%)
- Yellow (20%)
- Black (19%)




- Cyan (19%)
- Magenta (28%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8855, 0.3476, 0.3500 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 49.8855, 0.3476, 0.3500 by changing the saturation by 10% instead.





 49.8855, 0.3476,  
0.3500

 49.8855, 0.3476,  
0.3500


386.2180, 0.3303,  
0.3398

 35.3224, 0.3519,  
0.3524


 90.0052, 0.3413,  
0.3464

 23.9114, 0.3574,  
0.3555


 116.3306, 0.3390,  
0.3450

 15.2679, 0.3646,  
0.3595


147.3456, 0.3370,  
0.3438

 9.0076, 0.3747,  
0.3649

183.4346, 0.3352,  
0.3428

 4.7461, 0.3894,  
0.3724

224.9819, 0.3338,  
0.3419

 2.0991, 0.4130,  
0.3836

272.3720, 0.3324,

 0.6641, 0.5382,

0.3411

0.4618

325.9892, 0.3313,  
0.3404

0.0000, 0.0000,  
0.0000

49.8855, 0.3476,  
0.3500

49.8855, 0.3476,  
0.3500

44.4062, 0.3694,  
0.3613

55.9212, 0.3287,  
0.3391

39.4599, 0.3943,  
0.3726

62.5224, 0.3124,  
0.3288

35.0314, 0.4222,  
0.3831

69.7064, 0.2984,  
0.3192

31.1021, 0.4525,  
0.3920

77.4879, 0.2864,  
0.3104

27.6520, 0.4840,  
0.3980

84.9111, 0.2837,  
0.3170

■ 24.6597, 0.5149,  
0.3998

■ 92.0012, 0.2843,  
0.3289

■ 22.1011, 0.5427,  
0.3965

■ 19.9432, 0.5662,  
0.3885

■ 19.9012, 0.5666,  
0.3883

# Harmonies

## Analogous

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



49.8855, 0.3464, 0.3359



49.8855, 0.3476, 0.3500



49.8855, 0.3392, 0.3591

# Triad

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



49.8855, 0.3476, 0.3500



49.8855, 0.2898, 0.3373



49.8855, 0.3011, 0.2999

# Complementary

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



49.8855, 0.3476, 0.3500



49.4274, 0.2820, 0.3070

# 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.



49.8855, 0.2865, 0.2996



49.8855, 0.3476, 0.3500



49.8855, 0.2802, 0.3206

# Square

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



49.8855, 0.3476, 0.3500



49.8855, 0.3056, 0.3520



49.8855, 0.2790, 0.3069



49.8855, 0.3191, 0.3076



# Rectangle

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



49.8855, 0.3476, 0.3500



49.8855, 0.3294, 0.3607



49.8855, 0.2790, 0.3069



49.8855, 0.2956, 0.2990

# Sweetspot

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



49.8877, 0.3476, 0.3500



93.4755, 0.3223, 0.3352



44.2830, 0.3291, 0.2991



19.8600, 0.3234, 0.3359



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.



49.8877, 0.3476, 0.3500



75.9139, 0.3571, 0.3551



58.6680, 0.3432, 0.3733



12.6028, 0.3280, 0.3387



12.7196, 0.5642, 0.3902



0.8662, 0.5314, 0.4162

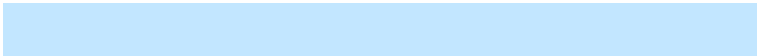


# Inverse Universe

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



49.4274, 0.2820, 0.3070



75.0337, 0.2749, 0.3014



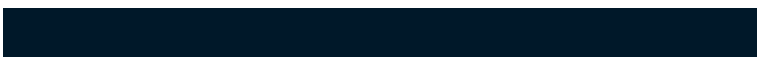
41.4036, 0.2804, 0.2805



12.5502, 0.2983, 0.3191



11.6578, 0.1856, 0.1880



0.8065, 0.1935, 0.2165



# Previews

## White Background



This preview shows how the Yxy color 49.8855, 0.3476, 0.3500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

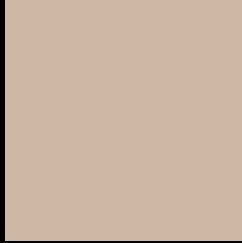
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.8855, 0.3476, 0.3500 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

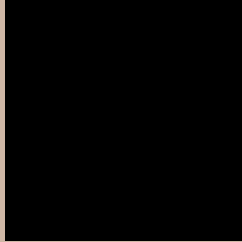
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.8855, 0.3476, 0.3500**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.8855, 0.3476, 0.3500.



This preview shows how white text looks on a background with the Yxy color 49.8855, 0.3476, 0.3500.

# 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

49.8855, 0.3476, 0.3500

### Protanopia

49.9699, 0.3346, 0.3531

### Deuteranopia

49.9471, 0.3535, 0.3473



## Tritanopia

49.7921, 0.3282, 0.3123

# Trichromacy



## Original Color

49.8855, 0.3476, 0.3500

## Protanomaly

50.0499, 0.3391, 0.3529

## Deuteranomaly

50.0580, 0.3515, 0.3486

## Tritanomaly

49.6167, 0.3356, 0.3254

# Monochromacy



## Original Color

49.8855, 0.3476, 0.3500

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

50.0152, 0.3250, 0.3366

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.8855, 0.3476, 0.3500 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(207, 183, 166)` looks like.

```
.text, #text, p{  
    color:rgb(207, 183, 166)  
}
```

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(207, 183, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 183, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 49.8855, 0.3476, 0.3500 is called "border". The border property can be set on classes, ids or directly on the HTML element.

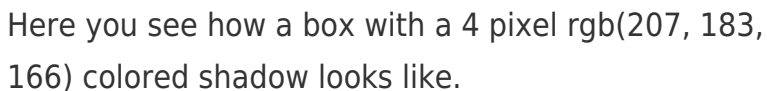
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 183, 166) }
```

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

```
.border{ border-color:rgb(207, 183, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 183, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(207, 183, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(207, 183, 166); box-shadow:4px 4px 4px 4px rgb(207, 183, 166) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.8855, 0.3476, 0.3500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 183, 166) }
```

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

```
.background{ background-color: rgb(207,  
183, 166) }
```

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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