

# Converting Colors

$Yxy(49.8374, 0.3302, 0.3295)$

Have a look what the booklet for  
Yxy(49.8374, 0.3302, 0.3295)  
contains.

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# Color

**Yxy(49.9409, 0.3307, 0.3303)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBB7B6
RGB	203, 183, 182
RGB Percent	80%, 72%, 71%
CMY	0.2040, 0.2823, 0.2863
CMYK	0.00, 0.10, 0.10, 0.20
HSL	3°, 17%, 75%
HSV	3°, 10%, 80%
XYZ	50.0014, 49.9409, 51.2563
YIQ	188.8660, 12.2410, 3.9290

# Conversions

## Conversions Part 2

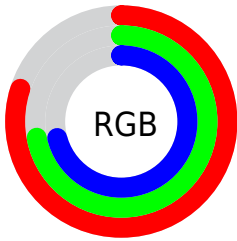
Format	Color
R <sub>Y</sub> B	203, 183, 182
Decimal	13350838
CIE Lab	76.03, 6.94, 3.10
CIE LCh	76, 7.597, 24.048
Yxy	49.9409, 0.3307, 0.3303
Android (android.graphics.Color)	4291540918 (0xFFCBB7B6)
YUV	188.8660, -3.3849, 12.3955
Hunter-Lab	70.6689, 2.6262, 6.4650

# Details

The Yxy color **49.9409, 0.3307, 0.3303** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.4802, 0.2969, 0.3277**, and the grayscale version is **50.8227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1661, 0.3240, 0.3300**, and **23.9398, 0.3362, 0.3307** is the 20% darker color. If you saturate the color by 10%, you get **41.7347, 0.3524, 0.3317**, and if you desaturate by 10%, it is **59.3665, 0.3132, 0.3290**.

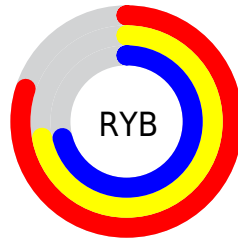
# Distribution



Red (80%)

Green (72%)

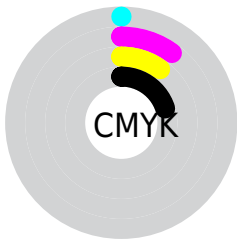
Blue (71%)



Red (80%)

Yellow (72%)

Blue (71%)

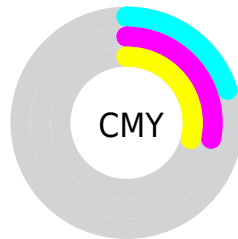


Cyan (0%)

Magenta (10%)

Yellow (10%)

Black (20%)



Cyan (20%)

Magenta (28%)


Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9409, 0.3307, 0.3303 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 49.9409, 0.3307, 0.3303 by changing the saturation by 10% instead.





 49.9409, 0.3307,  
0.3303

 49.9409, 0.3307,  
0.3303


386.4348, 0.3218,  
0.3297

 35.3664, 0.3329,  
0.3304


 90.0873, 0.3275,  
0.3301

 23.9453, 0.3357,  
0.3306


116.4280, 0.3263,  
0.3300

 15.2930, 0.3395,  
0.3308


147.4597, 0.3252,  
0.3300

 9.0253, 0.3447,  
0.3310

183.5666, 0.3243,  
0.3299

 4.7577, 0.3524,  
0.3312

225.1331, 0.3236,  
0.3298

 2.1058, 0.3650,  
0.3315

272.5437, 0.3229,

 0.6679, 0.4056,

0.3298

0.3368

326.1828, 0.3223,  
0.3298

0.0000, 0.0000,  
0.0000

49.9409, 0.3307,  
0.3303

49.9409, 0.3307,  
0.3303

41.7347, 0.3524,  
0.3317

59.3665, 0.3132,  
0.3290

34.6919, 0.3792,  
0.3331

70.0514, 0.2992,  
0.3279

28.7618, 0.4119,  
0.3345

82.0421, 0.2878,  
0.3269

23.8874, 0.4510,  
0.3357

91.4341, 0.2821,  
0.3289

20.0069, 0.4954,  
0.3365

■ 17.0519, 0.5420,  
0.3366

■ 14.9453, 0.5854,  
0.3358

■ 13.5976, 0.6183,  
0.3340

■ 12.9077, 0.6370,  
0.3324

# Harmonies

## Analogous

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



49.9409, 0.3233, 0.3214



49.9409, 0.3307, 0.3303



49.9409, 0.3332, 0.3390

# Triad

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



49.9409, 0.3307, 0.3303



49.9409, 0.3120, 0.3441



49.9409, 0.2956, 0.3128

# Complementary

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



49.9409, 0.3307, 0.3303



56.4802, 0.2969, 0.3277

# 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.



49.9409, 0.2927, 0.3186



49.9409, 0.3307, 0.3303



49.9409, 0.3021, 0.3367

# Square

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



49.9409, 0.3307, 0.3303



49.9409, 0.3223, 0.3472



49.9409, 0.2951, 0.3273



49.9409, 0.3030, 0.3114



# Rectangle

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



49.9409, 0.3307, 0.3303



49.9409, 0.3317, 0.3435



49.9409, 0.2951, 0.3273



49.9409, 0.2940, 0.3143

# Sweetspot

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



49.9431, 0.3307, 0.3303



94.9603, 0.3176, 0.3294



50.4253, 0.3144, 0.3047



20.0441, 0.3190, 0.3295



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

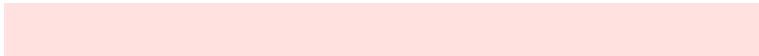


# Same Dimension

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



49.9431, 0.3307, 0.3303



80.9929, 0.3343, 0.3305



54.2945, 0.3293, 0.3426



11.2994, 0.3289, 0.3302



8.2544, 0.6361, 0.3331



0.4571, 0.6229, 0.3436



# Inverse Universe

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



56.4802, 0.2969, 0.3277



93.7084, 0.2942, 0.3275



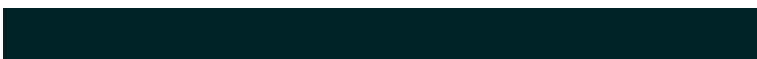
51.8620, 0.2968, 0.3150



12.6302, 0.2984, 0.3278



27.1004, 0.2205, 0.3139



1.4274, 0.2214, 0.3170



# Previews

## White Background



This preview shows how the Yxy color 49.9409, 0.3307, 0.3303 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

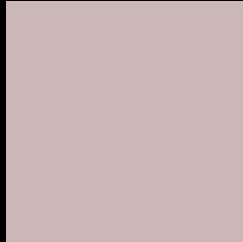
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.9409, 0.3307, 0.3303 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 49.9409, 0.3307, 0.3303**

## Background



This preview shows how black text looks on a background with the Yxy color 49.9409, 0.3307, 0.3303.



This preview shows how white text looks on a background with the Yxy color 49.9409, 0.3307, 0.3303.

# 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

49.9409, 0.3307, 0.3303

### Protanopia

50.2078, 0.3192, 0.3328

### Deuteranopia

49.8350, 0.3354, 0.3279



## Tritanopia

49.9670, 0.3220, 0.3121

# Trichromacy



## Original Color

49.9409, 0.3307, 0.3303

## Protanomaly

50.2725, 0.3235, 0.3328

## Deuteranomaly

49.9551, 0.3335, 0.3291

## Tritanomaly

50.0110, 0.3251, 0.3193

# Monochromacy



## Original Color

49.9409, 0.3307, 0.3303

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

50.5552, 0.3193, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.9409, 0.3307, 0.3303 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, 183, 182)` looks like.

```
.text, #text, p{  
    color:rgb(203, 183, 182)  
}
```

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, 183, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 183, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 49.9409, 0.3307, 0.3303 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, 183, 182) }
```

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

```
.border{ border-color:rgb(203, 183, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 183, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 183, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 183, 182);  
box-shadow:4px 4px 4px 4px rgb(203, 183,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.9409, 0.3307, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 183, 182) }
```

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

```
.background{ background-color: rgb(203,  
183, 182) }
```

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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