

# Converting Colors

$Yxy(49.3937, 0.3485, 0.3413)$

Have a look what the booklet for  
Yxy(49.3937, 0.3485, 0.3413)  
contains.

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# Color

**Yxy(49.3937, 0.3485, 0.3413)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D3B4AA
RGB	211, 180, 170
RGB Percent	83%, 71%, 67%
CMY	0.1726, 0.2941, 0.3334
CMYK	0.00, 0.15, 0.19, 0.17
HSL	15°, 32%, 75%
HSV	15°, 19%, 83%
XYZ	50.4357, 49.3937, 44.8928
YIQ	188.1290, 21.6860, 3.4620

# Conversions

## Conversions Part 2

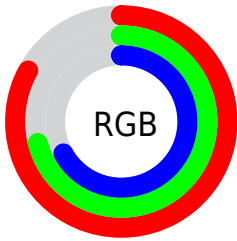
Format	Color
R <sub>Y</sub> B	211, 183, 170
Decimal	13874346
CIE Lab	75.70, 9.56, 9.24
CIE LCh	76, 13.292, 44.032
Yxy	49.3937, 0.3485, 0.3413
Android (android.graphics.Color)	4292064426 (0xFFD3B4AA)
YUV	188.1290, -8.9376, 20.0579
Hunter-Lab	70.2807, 5.1063, 11.3241

# Details

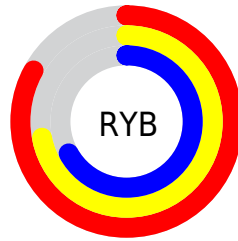
The Yxy color **49.3937, 0.3485, 0.3413** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **54.9943, 0.2830, 0.3164**, and the grayscale version is **50.4086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6871, 0.3326, 0.3399**, and **23.5547, 0.3586, 0.3438** is the 20% darker color. If you saturate the color by 10%, you get **42.5920, 0.3724, 0.3481**, and if you desaturate by 10%, it is **57.0677, 0.3285, 0.3348**.

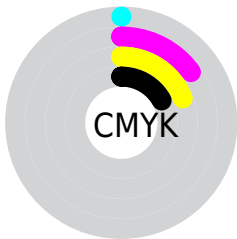
# Distribution



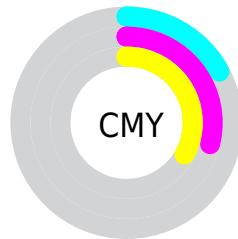
- Red (83%)
- Green (71%)
- Blue (67%)



- Red (83%)
- Yellow (72%)
- Blue (67%)



- Cyan (0%)
- Magenta (15%)
- Yellow (19%)
- Black (17%)




- Cyan (17%)
- Magenta (29%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3937, 0.3485, 0.3413 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 49.3937, 0.3485, 0.3413 by changing the saturation by 10% instead.





 49.3937, 0.3485,  
0.3413

 49.3937, 0.3485,  
0.3413


384.2902, 0.3307,  
0.3355

 34.9319, 0.3529,  
0.3427


 89.2759, 0.3420,  
0.3392

 23.6104, 0.3586,  
0.3444


115.4651, 0.3396,  
0.3385

 15.0449, 0.3662,  
0.3465


146.3322, 0.3375,  
0.3378

 8.8509, 0.3767,  
0.3494

182.2616, 0.3358,  
0.3372

 4.6440, 0.3922,  
0.3532

223.6377, 0.3342,  
0.3367

 2.0400, 0.4174,  
0.3586

270.8449, 0.3329,

 0.6305, 0.5537,

0.3362

0.4193

324.2676, 0.3317,  
0.3358

0.0000, 0.0000,  
0.0000

49.3937, 0.3485,  
0.3413

49.3937, 0.3485,  
0.3413

42.5920, 0.3724,  
0.3481

57.0677, 0.3285,  
0.3348

36.6247, 0.4007,  
0.3548

65.6367, 0.3119,  
0.3287

31.4613, 0.4335,  
0.3610

75.1309, 0.2980,  
0.3230

27.0665, 0.4704,  
0.3659

85.5771, 0.2864,  
0.3179

23.4026, 0.5099,  
0.3684

92.5867, 0.2866,  
0.3289

■ 20.4282, 0.5487,  
0.3675

■ 18.0976, 0.5828,  
0.3624

■ 16.3538, 0.6089,  
0.3541

■ 16.2710, 0.6102,  
0.3537

# Harmonies

## Analogous

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



49.3937, 0.3409, 0.3257



49.3937, 0.3485, 0.3413



49.3937, 0.3462, 0.3543

# Triad

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



49.3937, 0.3485, 0.3413



49.3937, 0.2994, 0.3477



49.3937, 0.2906, 0.2984

# Complementary

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



49.3937, 0.3485, 0.3413



54.9943, 0.2830, 0.3164

# 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.



49.3937, 0.2802, 0.3031



49.3937, 0.3485, 0.3413



49.3937, 0.2852, 0.3314

# Square

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



49.3937, 0.3485, 0.3413



49.3937, 0.3175, 0.3586



49.3937, 0.2782, 0.3150



49.3937, 0.3071, 0.3015



# Rectangle

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



49.3937, 0.3485, 0.3413



49.3937, 0.3394, 0.3596



49.3937, 0.2782, 0.3150



49.3937, 0.2863, 0.2991

# Sweetspot

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



49.3959, 0.3485, 0.3413



91.9013, 0.3226, 0.3327



46.8235, 0.3229, 0.2918



19.4886, 0.3237, 0.3331



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.



49.3959, 0.3485, 0.3413



71.7041, 0.3571, 0.3439



58.0794, 0.3441, 0.3648



12.2715, 0.3285, 0.3348



9.9572, 0.6077, 0.3557



0.6841, 0.5709, 0.3849

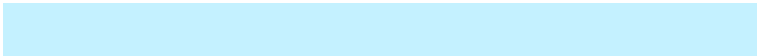


# Inverse Universe

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



54.9943, 0.2830, 0.3164



81.7028, 0.2773, 0.3136



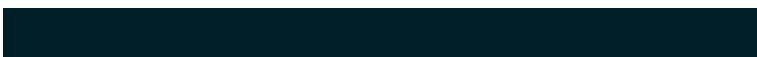
46.2573, 0.2815, 0.2904



12.8964, 0.2983, 0.3232



18.0441, 0.2023, 0.2484



1.1289, 0.2069, 0.2649



# Previews

## White Background



This preview shows how the Yxy color 49.3937, 0.3485, 0.3413 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

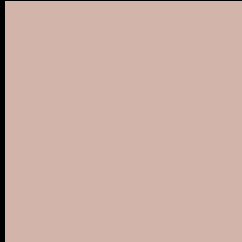
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.3937, 0.3485, 0.3413 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

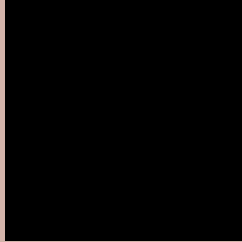
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.3937, 0.3485, 0.3413**

## Background



This preview shows how black text looks on a background with the Yxy color 49.3937, 0.3485, 0.3413.



This preview shows how white text looks on a background with the Yxy color 49.3937, 0.3485, 0.3413.

# 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

49.3937, 0.3485, 0.3413

### Protanopia

49.4724, 0.3289, 0.3456

### Deuteranopia

49.3937, 0.3485, 0.3413



## Tritanopia

49.5020, 0.3337, 0.3125

# Trichromacy



## Original Color

49.3937, 0.3485, 0.3413

## Protanomaly

49.5389, 0.3362, 0.3441

## Deuteranomaly

49.3937, 0.3485, 0.3413

## Tritanomaly

49.4058, 0.3395, 0.3231

# Monochromacy



## Original Color

49.3937, 0.3485, 0.3413

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

49.7699, 0.3252, 0.3340

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.3937, 0.3485, 0.3413 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(211, 180, 170) looks like.

```
.text, #text, p{  
    color:rgb(211, 180, 170)  
}
```

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(211, 180, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 180, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 49.3937, 0.3485, 0.3413 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(211, 180, 170) }
```

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

```
.border{ border-color:rgb(211, 180, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 180, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 180, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 180, 170);  
box-shadow:4px 4px 4px 4px rgb(211, 180,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.3937, 0.3485, 0.3413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 180, 170) }
```

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

```
.background{ background-color: rgb(211,  
180, 170) }
```

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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