

# Converting Colors

$Y_{xy}(49.1220, 0.3386, 0.3365)$

Have a look what the booklet for  
Yxy(49.1220, 0.3386, 0.3365)  
contains.

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# Color

**Yxy(49.1220, 0.3386, 0.3365)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDB5AF
RGB	205, 181, 175
RGB Percent	80%, 71%, 69%
CMY	0.1963, 0.2901, 0.3138
CMYK	0.00, 0.12, 0.15, 0.20
HSL	12°, 23%, 74%
HSV	12°, 15%, 80%
XYZ	49.4286, 49.1220, 47.4286
YIQ	187.4920, 16.2300, 3.2220

# Conversions

## Conversions Part 2

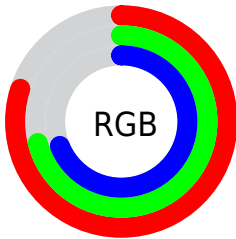
Format	Color
R <sub>Y</sub> B	205, 183, 175
Decimal	13481391
CIE Lab	75.53, 7.57, 6.20
CIE LCh	76, 9.783, 39.304
Yxy	49.1220, 0.3386, 0.3365
Android (android.graphics.Color)	4291671471 (0xFFCDB5AF)
YUV	187.4920, -6.1586, 15.3545
Hunter-Lab	70.0871, 3.2338, 8.9388

# Details

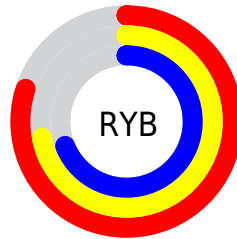
The Yxy color **49.1220, 0.3386, 0.3365** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.3311, 0.2904, 0.3214**, and the grayscale version is **50.0134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5415, 0.3293, 0.3359**, and **23.4477, 0.3461, 0.3374** is the 20% darker color. If you saturate the color by 10%, you get **42.1069, 0.3609, 0.3420**, and if you desaturate by 10%, it is **57.0460, 0.3201, 0.3313**.

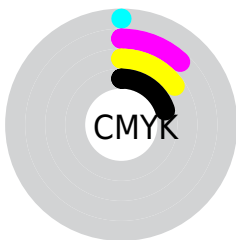
# Distribution



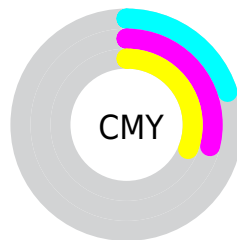
- Red (80%)
- Green (71%)
- Blue (69%)



- Red (80%)
- Yellow (72%)
- Blue (69%)



- Cyan (0%)
- Magenta (12%)
- Yellow (15%)
- Black (20%)




- Cyan (20%)
- Magenta (29%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1220, 0.3386, 0.3365 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 49.1220, 0.3386, 0.3365 by changing the saturation by 10% instead.



 49.1220, 0.3386,  
0.3365

 49.1220, 0.3386,  
0.3365


383.2224, 0.3257,  
0.3329

 34.7163, 0.3418,  
0.3373


 88.8726, 0.3339,  
0.3352

 23.4444, 0.3459,  
0.3384


114.9863, 0.3322,  
0.3347

 14.9220, 0.3514,  
0.3398


145.7714, 0.3307,  
0.3343

 8.7647, 0.3590,  
0.3416

181.6124, 0.3294,  
0.3340

 4.5880, 0.3703,  
0.3441

222.8936, 0.3283,  
0.3337

 2.0076, 0.3889,  
0.3478

269.9994, 0.3273,

 0.6119, 0.4756,

0.3334

0.3798

323.3142, 0.3265,  
0.3331

0.0000, 0.0000,  
0.0000

49.1220, 0.3386,  
0.3365

49.1220, 0.3386,  
0.3365

42.1069, 0.3609,  
0.3420

57.0460, 0.3201,  
0.3313

35.9618, 0.3877,  
0.3476

65.9032, 0.3049,  
0.3265

30.6544, 0.4193,  
0.3530

75.7252, 0.2922,  
0.3220

26.1479, 0.4558,  
0.3576

86.4121, 0.2827,  
0.3200

22.4029, 0.4960,  
0.3605

91.7128, 0.2832,  
0.3289

■ 19.3763, 0.5374,  
0.3608

■ 17.0209, 0.5756,  
0.3577

■ 15.2829, 0.6058,  
0.3511

■ 14.5758, 0.6184,  
0.3472

# Harmonies

## Analogous

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



49.1220, 0.3320, 0.3248



49.1220, 0.3386, 0.3365



49.1220, 0.3381, 0.3465

# Triad

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



49.1220, 0.3386, 0.3365



49.1220, 0.3050, 0.3443



49.1220, 0.2948, 0.3065

# Complementary

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



49.1220, 0.3386, 0.3365



54.3311, 0.2904, 0.3214

# 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.



49.1220, 0.2879, 0.3110



49.1220, 0.3386, 0.3365



49.1220, 0.2937, 0.3329

# Square

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



49.1220, 0.3386, 0.3365



49.1220, 0.3185, 0.3514



49.1220, 0.2875, 0.3206



49.1220, 0.3065, 0.3078



# Rectangle

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



49.1220, 0.3386, 0.3365



49.1220, 0.3338, 0.3509



49.1220, 0.2875, 0.3206



49.1220, 0.2919, 0.3073

# Sweetspot

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



49.1242, 0.3386, 0.3365



94.2719, 0.3192, 0.3310



47.7512, 0.3193, 0.3001



19.9535, 0.3205, 0.3314



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

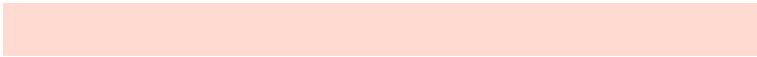


# Same Dimension

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



49.1242, 0.3386, 0.3365



76.1863, 0.3462, 0.3385



55.5323, 0.3360, 0.3545



11.5732, 0.3285, 0.3337



9.1876, 0.6162, 0.3489



0.5839, 0.5786, 0.3787

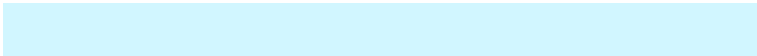


# Inverse Universe

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



54.3311, 0.2904, 0.3214



86.5572, 0.2850, 0.3193



47.7915, 0.2898, 0.3022



12.3286, 0.2983, 0.3242



19.3534, 0.2066, 0.2636



1.0983, 0.2105, 0.2778



# Previews

## White Background



This preview shows how the Yxy color 49.1220, 0.3386, 0.3365 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

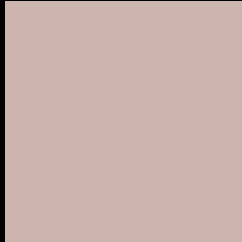
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.1220, 0.3386, 0.3365 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

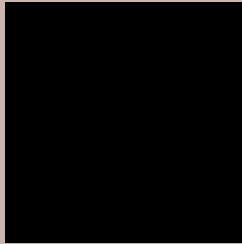
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.1220, 0.3386, 0.3365**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.1220, 0.3386, 0.3365.



This preview shows how white text looks on a background with the Yxy color 49.1220, 0.3386, 0.3365.

# 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

49.1220, 0.3386, 0.3365

### Protanopia

49.0787, 0.3250, 0.3392

### Deuteranopia

49.1476, 0.3415, 0.3352



## Tritanopia

48.9120, 0.3265, 0.3122

# Trichromacy



## Original Color

49.1220, 0.3386, 0.3365

## Protanomaly

49.2859, 0.3303, 0.3391

## Deuteranomaly

49.0031, 0.3406, 0.3352

## Tritanomaly

48.9072, 0.3306, 0.3205

# Monochromacy



## Original Color

49.1220, 0.3386, 0.3365

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

49.5862, 0.3219, 0.3315

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.1220, 0.3386, 0.3365 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(205, 181, 175)` looks like.

```
.text, #text, p{  
    color:rgb(205, 181, 175)  
}
```

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(205, 181, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 181, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 49.1220, 0.3386, 0.3365 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(205, 181, 175) }
```

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

```
.border{ border-color:rgb(205, 181, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 181, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 181, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 181, 175);  
box-shadow:4px 4px 4px 4px rgb(205, 181,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.1220, 0.3386, 0.3365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 181, 175) }
```

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

```
.background{ background-color: rgb(205,  
181, 175) }
```

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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