

# Converting Colors

$Yxy(48.6465, 0.3001, 0.2990)$

Have a look what the booklet for  
Yxy(48.6465, 0.3001, 0.2990)  
contains.

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# Color

**Yxy(48.7309, 0.3001, 0.2993)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDB6CE
RGB	189, 182, 206
RGB Percent	74%, 71%, 81%
CMY	0.2587, 0.2863, 0.1921
CMYK	0.08, 0.12, 0.00, 0.19
HSL	258°, 20%, 76%
HSV	258°, 12%, 81%
XYZ	48.8612, 48.7309, 65.2242
YIQ	186.8290, -3.5320, 8.9480

# Conversions

## Conversions Part 2

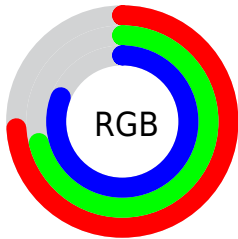
Format	Color
R <sub>Y</sub> B	189, 182, 206
Decimal	12433102
CIE Lab	75.28, 7.08, -11.21
CIE LCh	75, 13.256, 302.259
Yxy	48.7309, 0.3001, 0.2993
Android (android.graphics.Color)	4290623182 (0xFFBDB6CE)
YUV	186.8290, 9.4513, 1.9040
Hunter-Lab	69.8075, 2.7763, -6.5319

# Details

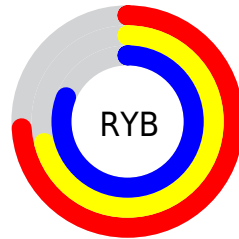
The Yxy color  $48.7309, 0.3001, 0.2993$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $59.6577, 0.3244, 0.3580$ , and the grayscale version is  $49.5434, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $87.7815, 0.3070, 0.3123$ , and  $23.2018, 0.2966, 0.2907$  is the 20% darker color. If you saturate the color by 10%, you get  $39.1374, 0.2875, 0.2710$ , and if you desaturate by 10%, it is  $59.7566, 0.3111, 0.3250$ .

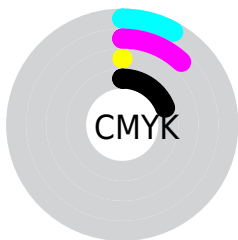
# Distribution



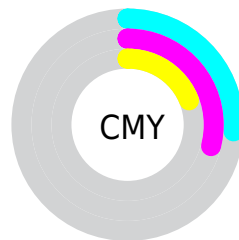
- Red (74%)
- Green (71%)
- Blue (81%)



- Red (74%)
- Yellow (71%)
- Blue (81%)



- Cyan (8%)
- Magenta (12%)
- Yellow (0%)
- Black (19%)



- Cyan (26%)
- Magenta (29%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7309, 0.3001, 0.2993 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 48.7309, 0.3001, 0.2993 by changing the saturation by 10% instead.



■ 48.7309, 0.3001,  
0.2993

■ 48.7309, 0.3001,  
0.2993

381.6820, 0.3064,  
0.3138

■ 34.4061, 0.2985,  
0.2958

■ 88.2916, 0.3024,  
0.3045

■ 23.2057, 0.2965,  
0.2913

114.2964, 0.3033,  
0.3065

■ 14.7455, 0.2938,  
0.2855

144.9631, 0.3040,  
0.3081

■ 8.6410, 0.2900,  
0.2776

180.6764, 0.3046,  
0.3096

■ 4.5077, 0.2844,  
0.2662

221.8205, 0.3052,  
0.3108

■ 1.9614, 0.2752,  
0.2483

268.7799, 0.3056,

■ 0.5849, 0.2593,

0.3119

0.2082

321.9389, 0.3061,  
0.3129

0.0000, 0.0000,  
0.0000

48.7309, 0.3001,  
0.2993

48.7309, 0.3001,  
0.2993

39.1374, 0.2875,  
0.2710

59.7566, 0.3111,  
0.3250

30.9104, 0.2732,  
0.2405

72.2643, 0.3205,  
0.3480

23.9883, 0.2574,  
0.2085

86.3088, 0.3285,  
0.3685

18.3023, 0.2405,  
0.1762

95.7992, 0.3366,  
0.3778

13.7770, 0.2231,  
0.1452

97.2364, 0.3418,  
0.3770

■ 10.3287, 0.2062,  
0.1175

■ 7.8618, 0.1907,  
0.0950

■ 6.2630, 0.1776,  
0.0791

■ 5.4302, 0.1687,  
0.0703

# Harmonies

## Analogous

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



48.7309, 0.2856, 0.2992



48.7309, 0.3001, 0.2993



48.7309, 0.3184, 0.3067

# Triad

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



48.7309, 0.3001, 0.2993



48.7309, 0.3483, 0.3498



48.7309, 0.2900, 0.3381

# Complementary

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



48.7309, 0.3001, 0.2993



59.6577, 0.3244, 0.3580

# 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.



48.7309, 0.3063, 0.3529



48.7309, 0.3001, 0.2993



48.7309, 0.3402, 0.3593

# Square

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



48.7309, 0.3001, 0.2993



48.7309, 0.3467, 0.3353



48.7309, 0.3247, 0.3607



48.7309, 0.2799, 0.3211



# Rectangle

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



48.7309, 0.3001, 0.2993



48.7309, 0.3303, 0.3149



48.7309, 0.3247, 0.3607



48.7309, 0.2949, 0.3436

# Sweetspot

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



48.7330, 0.3001, 0.2993



94.2048, 0.3096, 0.3216



55.3396, 0.2948, 0.3206



19.8402, 0.3088, 0.3196



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.



48.7330, 0.3001, 0.2993



74.8249, 0.2971, 0.2924



50.2995, 0.3097, 0.3002



11.0008, 0.3027, 0.3054



3.3875, 0.1701, 0.0710



0.2142, 0.1918, 0.0831



# Inverse Universe

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



50.6971, 0.3196, 0.3087



78.6435, 0.3213, 0.3042



58.1105, 0.3153, 0.3588



11.3455, 0.3182, 0.3128



9.3675, 0.4112, 0.2039

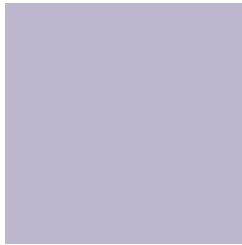


0.4961, 0.3896, 0.1920



# Previews

## White Background



This preview shows how the Yxy color 48.7309, 0.3001, 0.2993 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

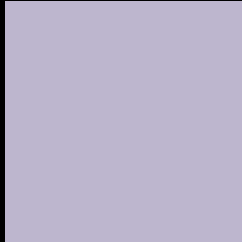
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.7309, 0.3001, 0.2993 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

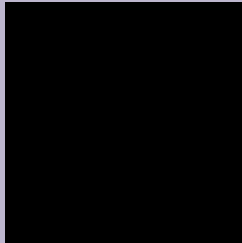
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.7309, 0.3001, 0.2993**

## Background



This preview shows how black text looks on a background with the Yxy color 48.7309, 0.3001, 0.2993.



This preview shows how white text looks on a background with the Yxy color 48.7309, 0.3001, 0.2993.

# 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

48.7309, 0.3001, 0.2993

### Protanopia

48.7311, 0.2938, 0.3002

### Deuteranopia

48.5681, 0.3042, 0.2972



## Tritanopia

48.6356, 0.3053, 0.3102

# Trichromacy



## Original Color

48.7309, 0.3001, 0.2993

## Protanomaly

48.6863, 0.2961, 0.2991

## Deuteranomaly

48.7104, 0.3025, 0.2983

## Tritanomaly

48.7754, 0.3030, 0.3065

# Monochromacy



## Original Color

48.7309, 0.3001, 0.2993

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

49.2843, 0.3083, 0.3177

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.7309, 0.3001, 0.2993 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(189, 182, 206)` looks like.

```
.text, #text, p{  
    color:rgb(189, 182, 206)  
}
```

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(189, 182, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 182, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 48.7309, 0.3001, 0.2993 is called "border". The border property can be set on classes, ids or directly on the HTML element.

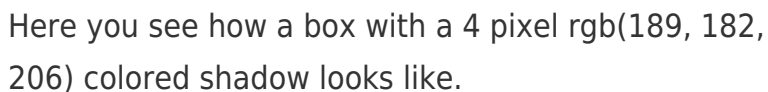
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 182, 206) }
```

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

```
.border{ border-color:rgb(189, 182, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 182, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 182, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 182, 206); box-shadow:4px 4px 4px 4px rgb(189, 182, 206) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.7309, 0.3001, 0.2993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 182, 206) }
```

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

```
.background{ background-color: rgb(189,  
182, 206) }
```

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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