

# Converting Colors

Yxy(51.7202, 0.3024, 0.2968)

Have a look what the booklet for  
Yxy(51.7202, 0.3024, 0.2968)  
contains.

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# Color

**Yxy(51.9277, 0.3021, 0.2968)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6BAD5
RGB	198, 186, 213
RGB Percent	78%, 73%, 84%
CMY	0.2235, 0.2706, 0.1648
CMYK	0.07, 0.13, 0.00, 0.16
HSL	267°, 24%, 78%
HSV	267°, 13%, 84%
XYZ	52.8550, 51.9277, 70.1759
YIQ	192.6660, -1.5150, 10.9410

# Conversions

## Conversions Part 2

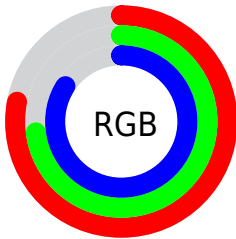
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	198, 186, 213
Decimal	13023957
CIE Lab	77.24, 9.28, -12.00
CIE LCh	77, 15.174, 307.712
Yxy	51.9277, 0.3021, 0.2968
Android (android.graphics.Color)	4291214037 (0xFFC6BAD5)
YUV	192.6660, 10.0247, 4.6779
Hunter-Lab	72.0609, 4.8191, -7.2965

# Details

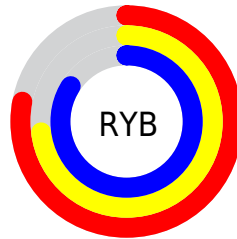
The Yxy color  $51.9277, 0.3021, 0.2968$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $63.5422, 0.3224, 0.3610$ , and the grayscale version is  $53.0635, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $91.9843, 0.3133, 0.3165$ , and  $25.1730, 0.2993, 0.2891$  is the 20% darker color. If you saturate the color by 10%, you get  $42.0687, 0.2922, 0.2689$ , and if you desaturate by 10%, it is  $63.2543, 0.3107, 0.3225$ .

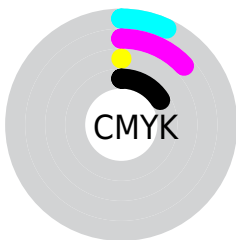
# Distribution



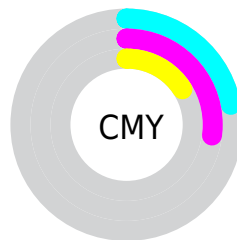
- Red (78%)
- Green (73%)
- Blue (84%)



- Red (78%)
- Yellow (73%)
- Blue (84%)



- Cyan (7%)
- Magenta (13%)
- Yellow (0%)
- Black (16%)




- Cyan (22%)
- Magenta (27%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.9277, 0.3021, 0.2968 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 51.9277, 0.3021, 0.2968 by changing the saturation by 10% instead.




 51.9277, 0.3021,  
0.2968

 51.9277, 0.3021,  
0.2968


394.1574, 0.3074,  
0.3123

 36.9474, 0.3008,  
0.2931

 93.0246, 0.3040,  
0.3023

 25.1668, 0.2991,  
0.2885


119.9100, 0.3048,  
0.3044

 16.2014, 0.2968,  
0.2825


151.5327, 0.3054,  
0.3062

 9.6668, 0.2937,  
0.2744

188.2769, 0.3059,  
0.3077

 5.1786, 0.2891,  
0.2629

230.5271, 0.3064,  
0.3091

 2.3524, 0.2817,  
0.2455

278.6676, 0.3068,

 0.8012, 0.2680,

0.3103

0.2154

333.0829, 0.3071,  
0.3114

0.0000, 0.0000,  
0.0000

51.9277, 0.3021,  
0.2968

51.9277, 0.3021,  
0.2968

42.0687, 0.2922,  
0.2689

63.2543, 0.3107,  
0.3225

33.6088, 0.2808,  
0.2394

76.0998, 0.3179,  
0.3459

26.4838, 0.2682,  
0.2090

90.5215, 0.3241,  
0.3670

20.6221, 0.2544,  
0.1788

95.7947, 0.3312,  
0.3709

15.9446, 0.2400,  
0.1503

97.5832, 0.3376,  
0.3701

■ 12.3634, 0.2256,  
0.1251

■ 9.7775, 0.2117,  
0.1048

■ 8.0660, 0.1992,  
0.0902

■ 7.2176, 0.1911,  
0.0826

# Harmonies

## Analogous

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



51.9277, 0.2848, 0.2951



51.9277, 0.3021, 0.2968



51.9277, 0.3228, 0.3064

# Triad

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



51.9277, 0.3021, 0.2968



51.9277, 0.3518, 0.3547



51.9277, 0.2846, 0.3357

# Complementary

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



51.9277, 0.3021, 0.2968



63.5422, 0.3224, 0.3610

# 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.



51.9277, 0.3018, 0.3533



51.9277, 0.3021, 0.2968



51.9277, 0.3408, 0.3640

# Square

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



51.9277, 0.3021, 0.2968



51.9277, 0.3520, 0.3391



51.9277, 0.3224, 0.3638



51.9277, 0.2749, 0.3168



# Rectangle

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



51.9277, 0.3021, 0.2968



51.9277, 0.3358, 0.3161



51.9277, 0.3224, 0.3638



51.9277, 0.2897, 0.3421

# Sweetspot

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



51.9299, 0.3021, 0.2968



92.6049, 0.3096, 0.3191



57.1539, 0.2931, 0.3148



19.5325, 0.3089, 0.3172



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.



51.9299, 0.3021, 0.2968



74.1669, 0.2998, 0.2901



53.8008, 0.3127, 0.2978



12.2761, 0.3050, 0.3054



4.4682, 0.1925, 0.0834



0.3181, 0.2121, 0.0942



# Inverse Universe

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



53.4818, 0.3235, 0.3115



76.9300, 0.3259, 0.3080



61.7923, 0.3125, 0.3620



12.5352, 0.3205, 0.3161



9.4659, 0.4714, 0.2370



0.5875, 0.4384, 0.2189



# Previews

## White Background



This preview shows how the Yxy color 51.9277, 0.3021, 0.2968 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

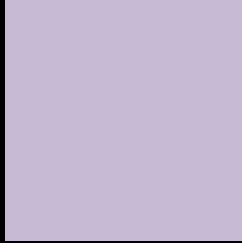
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.9277, 0.3021, 0.2968 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

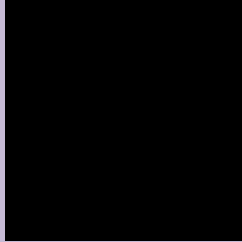
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.9277, 0.3021, 0.2968**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.9277, 0.3021, 0.2968.



This preview shows how white text looks on a background with the Yxy color 51.9277, 0.3021, 0.2968.

# 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

51.9277, 0.3021, 0.2968

### Protanopia

51.8663, 0.2921, 0.2973

### Deuteranopia

52.0640, 0.3029, 0.2969



## Tritanopia

52.0140, 0.3079, 0.3108

# Trichromacy



## Original Color

51.9277, 0.3021, 0.2968

## Protanomaly

51.8978, 0.2959, 0.2975

## Deuteranomaly

52.0640, 0.3029, 0.2969

## Tritanomaly

51.9160, 0.3057, 0.3049

# Monochromacy



## Original Color

51.9277, 0.3021, 0.2968

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

52.5991, 0.3092, 0.3168

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.9277, 0.3021, 0.2968 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(198, 186, 213)` looks like.

```
.text, #text, p{  
    color:rgb(198, 186, 213)  
}
```

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(198, 186, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 186, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 51.9277, 0.3021, 0.2968 is called "border". The border property can be set on classes, ids or directly on the HTML element.

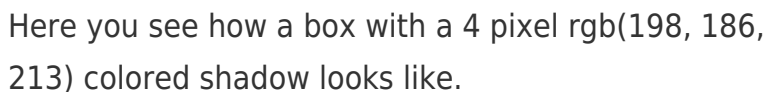
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 186, 213) }
```

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

```
.border{ border-color:rgb(198, 186, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 186, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 186, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 186, 213); box-shadow:4px 4px 4px 4px rgb(198, 186, 213) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.9277, 0.3021, 0.2968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 186, 213) }
```

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

```
.background{ background-color: rgb(198,  
186, 213) }
```

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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