

# Converting Colors

$Yxy(50.8356, 0.2879, 0.2896)$

Have a look what the booklet for  
Yxy(50.8356, 0.2879, 0.2896)  
contains.

<b>Yxy(50.9694, 0.2877, 0.2901)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(50.9694, 0.2877, 0.2901)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9BBDB
RGB	185, 187, 219
RGB Percent	73%, 73%, 86%
CMY	0.2748, 0.2665, 0.1412
CMYK	0.16, 0.15, 0.00, 0.14
HSL	236°, 32%, 79%
HSV	236°, 16%, 86%
XYZ	50.5477, 50.9694, 74.1788
YIQ	190.0500, -11.4640, 9.5280

# Conversions

## Conversions Part 2

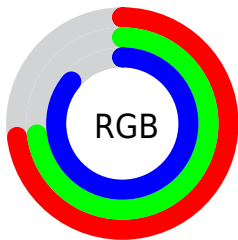
Format	Color
R <sub>Y</sub> B	185, 187, 219
Decimal	12172251
CIE Lab	76.66, 5.70, -16.22
CIE LCh	77, 17.195, 289.350
Yxy	50.9694, 0.2877, 0.2901
Android (android.graphics.Color)	4290362331 (0xFFB9BBDB)
YUV	190.0500, 14.2723, -4.4289
Hunter-Lab	71.3929, 1.4445, -11.6287

# Details

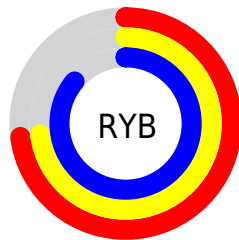
The Yxy color **50.9694, 0.2877, 0.2901** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **68.1177, 0.3363, 0.3651**, and the grayscale version is **51.4387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0220, 0.3043, 0.3172**, and **24.6361, 0.2813, 0.2801** is the 20% darker color. If you saturate the color by 10%, you get **40.3525, 0.2692, 0.2611**, and if you desaturate by 10%, it is **63.2568, 0.3043, 0.3160**.

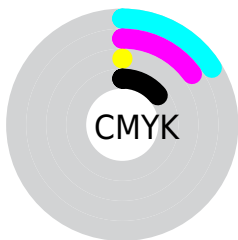
# Distribution



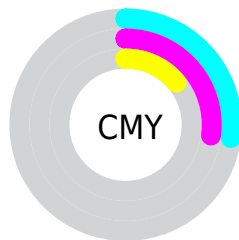
- Red (73%)
- Green (73%)
- Blue (86%)



- Red (73%)
- Yellow (73%)
- Blue (86%)



- Cyan (16%)
- Magenta (15%)
- Yellow (0%)
- Black (14%)



- Cyan (27%)
- Magenta (27%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9694, 0.2877, 0.2901 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 50.9694, 0.2877, 0.2901 by changing the saturation by 10% instead.



■ 50.9694, 0.2877,  
0.2901

■ 50.9694, 0.2877,  
0.2901

390.4449, 0.3000,  
0.3089

■ 36.1843, 0.2847,  
0.2856

■ 91.6095, 0.2921,  
0.2968

■ 24.5765, 0.2809,  
0.2799

118.2333, 0.2938,  
0.2993

■ 15.7618, 0.2758,  
0.2726

149.5721, 0.2952,  
0.3015

■ 9.3558, 0.2689,  
0.2627

186.0103, 0.2965,  
0.3034

■ 4.9740, 0.2590,  
0.2487

227.9323, 0.2975,  
0.3050

■ 2.2320, 0.2434,  
0.2274

275.7224, 0.2985,

■ 0.7374, 0.2166,

0.3065

0.1901

329.7652, 0.2993,  
0.3078

0.0000, 0.0000,  
0.0000

50.9694, 0.2877,  
0.2901

50.9694, 0.2877,  
0.2901

40.3525, 0.2692,  
0.2611

63.2568, 0.3043,  
0.3160

31.3279, 0.2493,  
0.2293

77.2757, 0.3190,  
0.3387

23.8207, 0.2284,  
0.1956

93.0920, 0.3319,  
0.3584

17.7475, 0.2076,  
0.1617

97.8935, 0.3340,  
0.3641

13.0166, 0.1883,  
0.1296

■ 9.5262, 0.1720,  
0.1018

■ 7.1594, 0.1599,  
0.0804

■ 5.7768, 0.1528,  
0.0669

■ 5.4158, 0.1509,  
0.0632

# Harmonies

## Analogous

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



50.9694, 0.2729, 0.2941



50.9694, 0.2877, 0.2901



50.9694, 0.3096, 0.2958

# Triad

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



50.9694, 0.2877, 0.2901



50.9694, 0.3591, 0.3477



50.9694, 0.2919, 0.3497

# Complementary

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



50.9694, 0.2877, 0.2901



68.1177, 0.3363, 0.3651

# 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.



50.9694, 0.3145, 0.3655



50.9694, 0.2877, 0.2901



50.9694, 0.3537, 0.3634

# Square

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



50.9694, 0.2877, 0.2901



50.9694, 0.3515, 0.3281



50.9694, 0.3372, 0.3704



50.9694, 0.2753, 0.3280



# Rectangle

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



50.9694, 0.2877, 0.2901



50.9694, 0.3255, 0.3042



50.9694, 0.3372, 0.3704



50.9694, 0.2990, 0.3559

# Sweetspot

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



50.9715, 0.2877, 0.2901



90.2662, 0.3051, 0.3172



65.9532, 0.2906, 0.3316



19.0386, 0.3040, 0.3155



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.



50.9715, 0.2877, 0.2901



66.2914, 0.2812, 0.2800



52.0143, 0.2991, 0.2889



12.7459, 0.2981, 0.3063



3.2659, 0.1512, 0.0641



0.2581, 0.1546, 0.0764



# Inverse Universe

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



53.3117, 0.3401, 0.3266



70.2986, 0.3479, 0.3260



67.0222, 0.3248, 0.3688



13.0645, 0.3282, 0.3276



8.9535, 0.6331, 0.3261

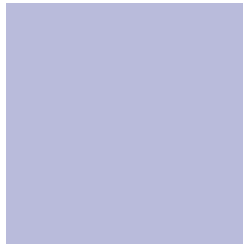


0.5847, 0.6127, 0.3149



# Previews

## White Background



This preview shows how the Yxy color 50.9694, 0.2877, 0.2901 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

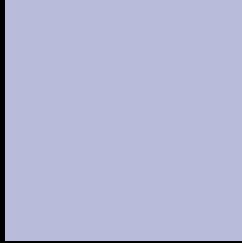
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.9694, 0.2877, 0.2901 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

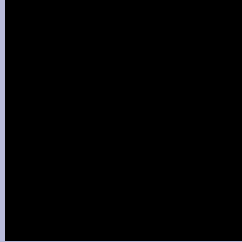
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.9694, 0.2877, 0.2901**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.9694, 0.2877, 0.2901.



This preview shows how white text looks on a background with the Yxy color 50.9694, 0.2877, 0.2901.

# 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

50.9694, 0.2877, 0.2901

### Protanopia

51.1482, 0.2863, 0.2911

### Deuteranopia

50.7857, 0.2931, 0.2859



## Tritanopia

50.7481, 0.2953, 0.3090

# Trichromacy



## Original Color

50.9694, 0.2877, 0.2901

## Protanomaly

51.2713, 0.2870, 0.2912

## Deuteranomaly

50.8124, 0.2908, 0.2869

## Tritanomaly

50.6869, 0.2925, 0.3017

# Monochromacy



## Original Color

50.9694, 0.2877, 0.2901

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

51.3036, 0.3029, 0.3141

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.9694, 0.2877, 0.2901 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(185, 187, 219)` looks like.

```
.text, #text, p{  
    color:rgb(185, 187, 219)  
}
```

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(185, 187, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 187, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 50.9694, 0.2877, 0.2901 is called "border". The border property can be set on classes, ids or directly on the HTML element.

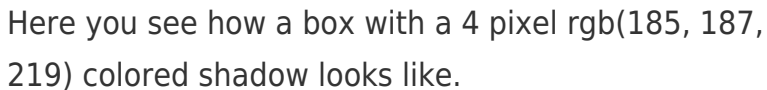
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 187, 219) }
```

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

```
.border{ border-color:rgb(185, 187, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 187, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 187, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 187, 219); box-shadow:4px 4px 4px 4px rgb(185, 187, 219) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.9694, 0.2877, 0.2901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 187, 219) }
```

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

```
.background{ background-color: rgb(185,  
187, 219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor