

# Converting Colors

$Y_{xy}(53.2970, 0.3019, 0.2853)$

Have a look what the booklet for  
Yxy(53.2970, 0.3019, 0.2853)  
contains.

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# Color

**Yxy(53.2910, 0.3019, 0.2853)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFB9DF
RGB	207, 185, 223
RGB Percent	81%, 73%, 87%
CMY	0.1883, 0.2744, 0.1256
CMYK	0.07, 0.17, 0.00, 0.13
HSL	275°, 37%, 80%
HSV	275°, 17%, 87%
XYZ	56.3917, 53.2910, 77.1066
YIQ	195.9100, 0.9140, 16.4820

# Conversions

## Conversions Part 2

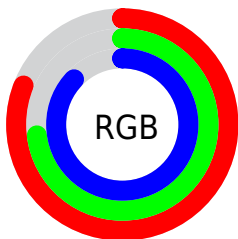
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 185, 223
Decimal	13613535
CIE Lab	78.05, 14.77, -16.12
CIE LCh	78, 21.862, 312.497
Yxy	53.2910, 0.3019, 0.2853
Android (android.graphics.Color)	4291803615 (0xFFCFB9DF)
YUV	195.9100, 13.3554, 9.7259
Hunter-Lab	73.0007, 10.1368, -11.5243

# Details

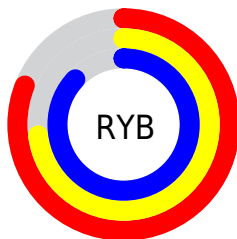
The Yxy color **53.2910, 0.3019, 0.2853** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **68.6847, 0.3220, 0.3734**, and the grayscale version is **55.0623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3906, 0.3133, 0.3156**, and **26.0051, 0.2980, 0.2742** is the 20% darker color. If you saturate the color by 10%, you get **43.3696, 0.2941, 0.2574**, and if you desaturate by 10%, it is **64.7605, 0.3086, 0.3116**.

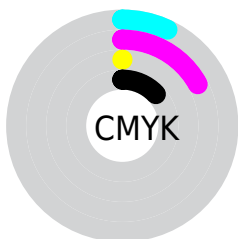
# Distribution



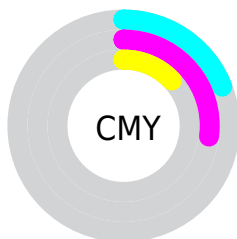
- Red (81%)
- Green (73%)
- Blue (87%)



- Red (81%)
- Yellow (73%)
- Blue (87%)



- Cyan (7%)
- Magenta (17%)
- Yellow (0%)
- Black (13%)




- Cyan (19%)
- Magenta (27%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.2910, 0.3019, 0.2853 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 53.2910, 0.3019, 0.2853 by changing the saturation by 10% instead.





 53.2910, 0.3019,  
0.2853

 53.2910, 0.3019,  
0.2853


399.4006, 0.3074,  
0.3060

 38.0351, 0.3005,  
0.2805


 95.0324, 0.3039,  
0.2926

 26.0100, 0.2987,  
0.2744

122.2868, 0.3047,  
0.2954

 16.8311, 0.2964,  
0.2667


154.3094, 0.3053,  
0.2978

 10.1141, 0.2930,  
0.2564

191.4847, 0.3058,  
0.2999

 5.4747, 0.2882,  
0.2421

234.1971, 0.3063,  
0.3017

 2.5284, 0.2803,  
0.2211

282.8309, 0.3067,

 0.8908, 0.2657,

0.3033

0.1875

337.7706, 0.3071,  
0.3047

0.0000, 0.1481,  
0.0000

0.0000, 0.0000,  
0.0000

53.2910, 0.3019,  
0.2853

53.2910, 0.3019,  
0.2853

43.3696, 0.2941,  
0.2574

64.7605, 0.3086,  
0.3116

34.9201, 0.2851,  
0.2287

77.8363, 0.3143,  
0.3361

27.8700, 0.2752,  
0.2000

92.5816, 0.3190,  
0.3584

22.1377, 0.2643,  
0.1725

96.1815, 0.3248,  
0.3608

■ 17.6330, 0.2530,  
0.1476

■ 97.9112, 0.3309,  
0.3602

■ 14.2537, 0.2416,  
0.1266

■ 98.1063, 0.3316,  
0.3602

■ 11.8806, 0.2306,  
0.1106

■ 10.3585, 0.2203,  
0.0998

■ 9.9923, 0.2174,  
0.0971

# Harmonies

## Analogous

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



53.2910, 0.2763, 0.2807



53.2910, 0.3019, 0.2853



53.2910, 0.3316, 0.3002

# Triad

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



53.2910, 0.3019, 0.2853



53.2910, 0.3670, 0.3679



53.2910, 0.2698, 0.3339

# Complementary

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



53.2910, 0.3019, 0.2853



68.6847, 0.3220, 0.3734

# 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.



53.2910, 0.2926, 0.3606



53.2910, 0.3019, 0.2853



53.2910, 0.3488, 0.3801

# Square

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



53.2910, 0.3019, 0.2853



53.2910, 0.3702, 0.3465



53.2910, 0.3214, 0.3780



53.2910, 0.2585, 0.3071



# Rectangle

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



53.2910, 0.3019, 0.2853



53.2910, 0.3496, 0.3142



53.2910, 0.3214, 0.3780



53.2910, 0.2763, 0.3433

# Sweetspot

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



53.2933, 0.3019, 0.2853



91.1281, 0.3098, 0.3166



57.6333, 0.2859, 0.3033



19.2479, 0.3094, 0.3149



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.



53.2933, 0.3019, 0.2853



67.8140, 0.2996, 0.2767



55.5799, 0.3166, 0.2897



13.6328, 0.3071, 0.3054



5.9447, 0.2188, 0.0979



0.4644, 0.2341, 0.1063



# Inverse Universe

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



54.6069, 0.3320, 0.3109



69.9092, 0.3363, 0.3074



66.6891, 0.3090, 0.3718



13.7959, 0.3226, 0.3192



9.7209, 0.5281, 0.2683

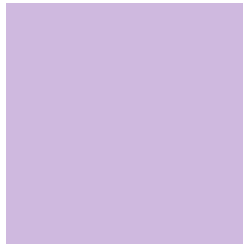


0.6914, 0.4886, 0.2465



# Previews

## White Background



This preview shows how the Yxy color 53.2910, 0.3019, 0.2853 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

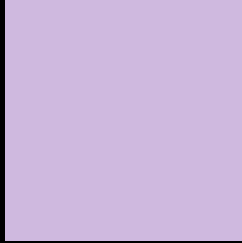
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.2910, 0.3019, 0.2853 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

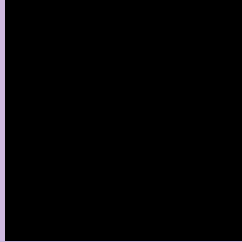
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.2910, 0.3019, 0.2853**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.2910, 0.3019, 0.2853.



This preview shows how white text looks on a background with the Yxy color 53.2910, 0.3019, 0.2853.

# 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

53.2910, 0.3019, 0.2853

### Protanopia

53.2468, 0.2833, 0.2860

### Deuteranopia

53.2461, 0.2956, 0.2890



## Tritanopia

53.1156, 0.3144, 0.3112

# Trichromacy



## Original Color

53.2910, 0.3019, 0.2853

## Protanomaly

53.3555, 0.2898, 0.2854

## Deuteranomaly

53.2321, 0.2979, 0.2881

## Tritanomaly

53.1729, 0.3099, 0.3019

# Monochromacy



## Original Color

53.2910, 0.3019, 0.2853

## Achromatopsia

55.2011, 0.3127, 0.3290

## Achromatomaly

54.4349, 0.3087, 0.3123

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.2910, 0.3019, 0.2853 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(207, 185, 223)` looks like.

```
.text, #text, p{  
    color:rgb(207, 185, 223)  
}
```

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(207, 185, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 185, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 53.2910, 0.3019, 0.2853 is called "border". The border property can be set on classes, ids or directly on the HTML element.

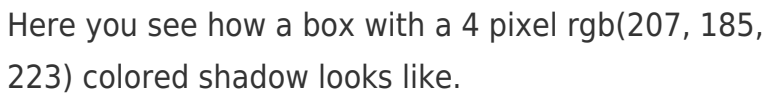
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 185, 223) }
```

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

```
.border{ border-color:rgb(207, 185, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 185, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 185, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 185, 223);  
box-shadow:4px 4px 4px 4px rgb(207, 185,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.2910, 0.3019, 0.2853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 185, 223) }
```

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

```
.background{ background-color: rgb(207,  
185, 223) }
```

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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