

# Converting Colors

Yxy(52.9223, 0.2999, 0.2849)

Have a look what the booklet for  
Yxy(52.9223, 0.2999, 0.2849)  
contains.

<b>Yxy(53.0048, 0.3003, 0.2850)</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(53.0048, 0.3003, 0.2850)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDB9DF
RGB	205, 185, 223
RGB Percent	80%, 73%, 87%
CMY	0.1961, 0.2745, 0.1253
CMYK	0.08, 0.17, 0.00, 0.13
HSL	272°, 37%, 80%
HSV	272°, 17%, 87%
XYZ	55.8503, 53.0048, 77.1266
YIQ	195.3120, -0.2780, 16.0580

# Conversions

## Conversions Part 2

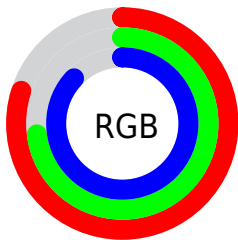
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	205, 185, 223
Decimal	13482463
CIE Lab	77.88, 14.15, -16.43
CIE LCh	78, 21.678, 310.738
Yxy	53.0048, 0.3003, 0.2850
Android (android.graphics.Color)	4291672543 (0xFFCDB9DF)
YUV	195.3120, 13.6502, 8.4964
Hunter-Lab	72.8044, 9.5247, -11.8468

# Details

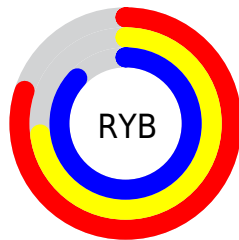
The Yxy color **53.0048, 0.3003, 0.2850** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **69.0001, 0.3235, 0.3733**, and the grayscale version is **54.6886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3906, 0.3133, 0.3156**, and **25.9090, 0.2970, 0.2740** is the 20% darker color. If you saturate the color by 10%, you get **42.9426, 0.2914, 0.2568**, and if you desaturate by 10%, it is **64.6369, 0.3080, 0.3115**.

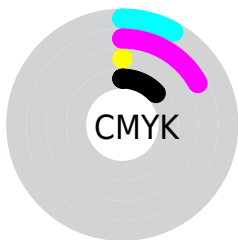
# Distribution



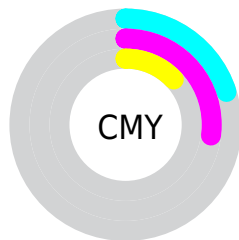
- Red (80%)
- Green (73%)
- Blue (87%)



- Red (80%)
- Yellow (73%)
- Blue (87%)



- Cyan (8%)
- Magenta (17%)
- Yellow (0%)
- Black (13%)




- Cyan (20%)
- Magenta (27%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.0048, 0.3003, 0.2850 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 53.0048, 0.3003, 0.2850 by changing the saturation by 10% instead.




 53.0048, 0.3003,  
0.2850

 53.0048, 0.3003,  
0.2850

398.3035, 0.3066,  
0.3059

 37.8066, 0.2987,  
0.2801


 94.6114, 0.3026,  
0.2923

 25.8326, 0.2967,  
0.2740


121.7887, 0.3034,  
0.2952

 16.6985, 0.2940,  
0.2662


153.7277, 0.3042,  
0.2976

 10.0197, 0.2903,  
0.2558

190.8129, 0.3048,  
0.2997

 5.4120, 0.2848,  
0.2414

233.4287, 0.3053,  
0.3015

 2.4910, 0.2760,  
0.2201

281.9595, 0.3058,

 0.8721, 0.2600,

0.3031

0.1859

336.7896, 0.3062,  
0.3046

0.0000, 0.1203,  
0.0000

0.0000, 0.0000,  
0.0000

53.0048, 0.3003,  
0.2850

53.0048, 0.3003,  
0.2850

42.9426, 0.2914,  
0.2568

64.6369, 0.3080,  
0.3115

34.3735, 0.2812,  
0.2275

77.8977, 0.3145,  
0.3360

27.2242, 0.2699,  
0.1980

92.8513, 0.3200,  
0.3582

21.4125, 0.2578,  
0.1697

96.6781, 0.3265,  
0.3606

■ 16.8473, 0.2451,  
0.1438

■ 98.1099, 0.3315,  
0.3601

■ 13.4257, 0.2325,  
0.1219

■ 11.0274, 0.2204,  
0.1051

■ 9.4960, 0.2094,  
0.0938

■ 9.1335, 0.2063,  
0.0910

# Harmonies

## Analogous

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



53.0048, 0.2753, 0.2811



53.0048, 0.3003, 0.2850



53.0048, 0.3298, 0.2992

# Triad

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



53.0048, 0.3003, 0.2850



53.0048, 0.3673, 0.3666



53.0048, 0.2711, 0.3355

# Complementary

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



53.0048, 0.3003, 0.2850



69.0001, 0.3235, 0.3733

# 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.



53.0048, 0.2943, 0.3618



53.0048, 0.3003, 0.2850



53.0048, 0.3500, 0.3795

# Square

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



53.0048, 0.3003, 0.2850



53.0048, 0.3695, 0.3450



53.0048, 0.3231, 0.3782



53.0048, 0.2591, 0.3087



# Rectangle

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



53.0048, 0.3003, 0.2850



53.0048, 0.3479, 0.3130



53.0048, 0.3231, 0.3782



53.0048, 0.2778, 0.3448

# Sweetspot

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



53.0070, 0.3003, 0.2850



91.0049, 0.3094, 0.3166



58.5377, 0.2859, 0.3056



19.2179, 0.3089, 0.3148



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.



53.0070, 0.3003, 0.2850



67.3655, 0.2977, 0.2764



55.6871, 0.3152, 0.2876



13.5962, 0.3063, 0.3054



5.4361, 0.2078, 0.0918



0.4300, 0.2242, 0.1009



# Inverse Universe

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



54.7046, 0.3304, 0.3086



70.0569, 0.3343, 0.3047



66.6402, 0.3102, 0.3742



13.8082, 0.3218, 0.3179



9.8551, 0.5062, 0.2562

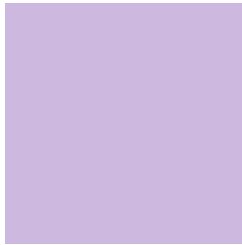


0.7011, 0.4701, 0.2364



# Previews

## White Background



This preview shows how the Yxy color 53.0048, 0.3003, 0.2850 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

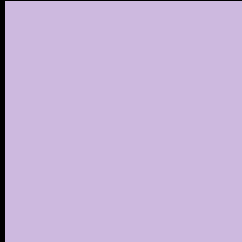
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.0048, 0.3003, 0.2850 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

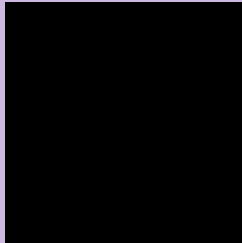
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.0048, 0.3003, 0.2850**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.0048, 0.3003, 0.2850.



This preview shows how white text looks on a background with the Yxy color 53.0048, 0.3003, 0.2850.

# 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

53.0048, 0.3003, 0.2850

### Protanopia

53.1219, 0.2826, 0.2859

### Deuteranopia

53.1107, 0.2948, 0.2889



## Tritanopia

52.8348, 0.3127, 0.3111

# Trichromacy



## Original Color

53.0048, 0.3003, 0.2850

## Protanomaly

53.0926, 0.2883, 0.2852

## Deuteranomaly

53.0939, 0.2971, 0.2880

## Tritanomaly

52.8903, 0.3083, 0.3018

# Monochromacy



## Original Color

53.0048, 0.3003, 0.2850

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

53.8115, 0.3087, 0.3122

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.0048, 0.3003, 0.2850 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, 185, 223)` looks like.

```
.text, #text, p{  
    color:rgb(205, 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(205, 185, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 185, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 53.0048, 0.3003, 0.2850 is called "border". The border property can be set on classes, ids or directly on the HTML element.

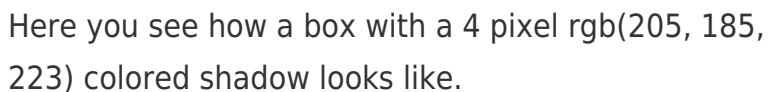
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 185, 223) }
```

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

```
.border{ border-color:rgb(205, 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(205, 185, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 185, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 185, 223);  
box-shadow:4px 4px 4px 4px rgb(205, 185,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.0048, 0.3003, 0.2850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 185, 223) }
```

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

```
.background{ background-color: rgb(205,  
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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