

Converting Colors

$Y_{xy}(49.5533, 0.2924, 0.2792)$

Have a look what the booklet for
Yxy(49.5533, 0.2924, 0.2792)
contains.

Yxy(49.3858, 0.2923, 0.2789)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.3858, 0.2923, 0.2789)

Conversions

Conversions Part 1

Format	Color
Hex	C2B4DE
RGB	194, 180, 222
RGB Percent	76%, 71%, 87%
CMY	0.2392, 0.2941, 0.1293
CMYK	0.13, 0.19, 0.00, 0.13
HSL	260°, 39%, 79%
HSV	260°, 19%, 87%
XYZ	51.7586, 49.3858, 75.9291
YIQ	188.9740, -5.1380, 16.0300

Conversions

Conversions Part 2

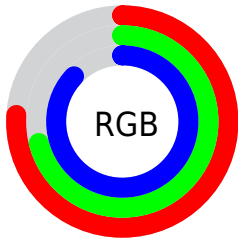
Format	Color
RYB	194, 180, 222
Decimal	12760286
CIELab	75.69, 13.09, -19.27
CIELCh	76, 23.292, 304.183
Yxy	49.3858, 0.2923, 0.2789
Android (android.graphics.Color)	4290950366 (0xFFC2B4DE)
YUV	188.9740, 16.2818, 4.4078
Hunter-Lab	70.2750, 8.4865, -14.8677

Details

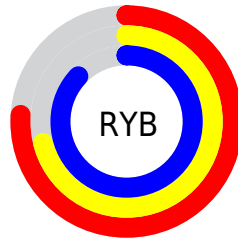
The Yxy color **49.3858, 0.2923, 0.2789** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **68.9633, 0.3306, 0.3776**, and the grayscale version is **50.7829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7201, 0.3109, 0.3106**, and **23.5442, 0.2862, 0.2655** is the 20% darker color. If you saturate the color by 10%, you get **39.2682, 0.2792, 0.2490**, and if you desaturate by 10%, it is **61.1384, 0.3038, 0.3065**.

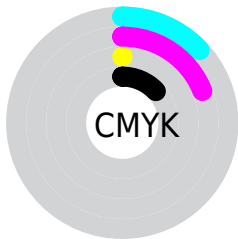
Distribution



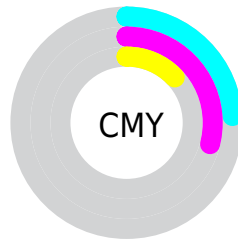
- Red (76%)
- Green (71%)
- Blue (87%)



- Red (76%)
- Yellow (71%)
- Blue (87%)



- Cyan (13%)
- Magenta (19%)
- Yellow (0%)
- Black (13%)



- Cyan (24%)
- Magenta (29%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3858, 0.2923, 0.2789 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 49.3858, 0.2923, 0.2789 by changing the saturation by 10% instead.

■ 49.3858, 0.2923,
0.2789

■ 49.3858, 0.2923,
0.2789

384.2592, 0.3026,
0.3029

■ 34.9256, 0.2897,
0.2732

■ 89.2642, 0.2960,
0.2874

■ 23.6056, 0.2864,
0.2661

115.4512, 0.2974,
0.2906

■ 15.0413, 0.2821,
0.2569

146.3159, 0.2986,
0.2934

■ 8.8484, 0.2760,
0.2447

182.2427, 0.2997,
0.2958

■ 4.6424, 0.2671,
0.2276

223.6161, 0.3005,
0.2979

■ 2.0390, 0.2529,
0.2022

270.8203, 0.3013,

■ 0.6300, 0.2286,

0.2998

0.1564

324.2399, 0.3020,
0.3014

0.0000, 0.0000,
0.0000

49.3858, 0.2923,
0.2789

49.3858, 0.2923,
0.2789

39.2682, 0.2792,
0.2490

61.1384, 0.3038,
0.3065

30.7055, 0.2645,
0.2176

74.5888, 0.3137,
0.3316

23.6201, 0.2486,
0.1856

89.8043, 0.3222,
0.3540

17.9249, 0.2320,
0.1545

97.7175, 0.3310,
0.3612

13.5236, 0.2153,
0.1263

98.0553, 0.3321,
0.3611

■ 10.3071, 0.1996,
0.1026

■ 8.1471, 0.1858,
0.0851

■ 6.8476, 0.1745,
0.0739

■ 6.7322, 0.1735,
0.0729

Harmonies

Analogous

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



49.3858, 0.2670, 0.2773



49.3858, 0.2923, 0.2789



49.3858, 0.3243, 0.2922

Triad

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



49.3858, 0.2923, 0.2789



49.3858, 0.3748, 0.3655



49.3858, 0.2717, 0.3428

Complementary

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



49.3858, 0.2923, 0.2789



68.9633, 0.3306, 0.3776

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.



49.3858, 0.2990, 0.3704



49.3858, 0.2923, 0.2789



49.3858, 0.3589, 0.3825

Square

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



49.3858, 0.2923, 0.2789



49.3858, 0.3734, 0.3405



49.3858, 0.3309, 0.3851



49.3858, 0.2556, 0.3125

Rectangle

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



49.3858, 0.2923, 0.2789



49.3858, 0.3453, 0.3062



49.3858, 0.3309, 0.3851



49.3858, 0.2798, 0.3529

Sweetspot

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



49.3879, 0.2923, 0.2789



88.7404, 0.3068, 0.3140



60.0983, 0.2835, 0.3122



18.7429, 0.3061, 0.3123



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.



49.3879, 0.2923, 0.2789



61.4424, 0.2869, 0.2665



52.3674, 0.3092, 0.2814



13.4642, 0.3032, 0.3051



4.0522, 0.1749, 0.0737



0.3287, 0.1919, 0.0831

Inverse Universe

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



52.7302, 0.3261, 0.2973



66.9219, 0.3297, 0.2899



66.1167, 0.3152, 0.3799



13.8539, 0.3189, 0.3135



10.5154, 0.4269, 0.2126



0.7453, 0.4065, 0.2013

Previews

White Background



This preview shows how the Yxy color 49.3858, 0.2923, 0.2789 looks on a white background.

Color Contrast Check

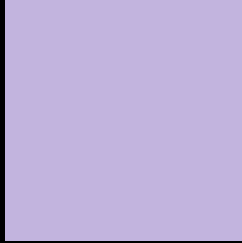
Large Text (above 18pt) WCAG AA × Fail

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 49.3858, 0.2923, 0.2789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

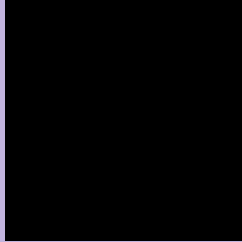
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.3858, 0.2923, 0.2789

Background



This preview shows how black text looks on a background with the Yxy color 49.3858, 0.2923, 0.2789.



This preview shows how white text looks on a background with the Yxy color 49.3858, 0.2923, 0.2789.

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

49.3858, 0.2923, 0.2789

Protanopia

49.5991, 0.2784, 0.2800

Deuteranopia

49.4212, 0.2877, 0.2807



Tritanopia

49.3517, 0.3061, 0.3103

Trichromacy



Original Color

49.3858, 0.2923, 0.2789

Protanomaly

49.4391, 0.2833, 0.2793

Deuteranomaly

49.2688, 0.2892, 0.2797

Tritanomaly

49.4483, 0.3009, 0.2995

Monochromacy



Original Color

49.3858, 0.2923, 0.2789

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.4112, 0.3054, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3858, 0.2923, 0.2789 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(194, 180, 222)` looks like.

```
.text, #text, p{  
    color:rgb(194, 180, 222)  
}
```

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(194, 180, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 180, 222) }
```

Border

The CSS property to change the border of an element to Yxy 49.3858, 0.2923, 0.2789 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(194, 180, 222) }
```

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

```
.border{ border-color:rgb(194, 180, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 180, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 180, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 180, 222);  
box-shadow:4px 4px 4px 4px rgb(194, 180,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3858, 0.2923, 0.2789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 180, 222) }
```

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

```
.background{ background-color: rgb(194,  
180, 222) }
```

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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