

Converting Colors

$Y_{xy}(49.6073, 0.2889, 0.2597)$

Have a look what the booklet for
Yxy(49.6073, 0.2889, 0.2597)
contains.

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Color

Yxy(49.8033, 0.2893, 0.2605)

Conversions

Conversions Part 1

Format	Color
Hex	CBB0EC
RGB	203, 176, 236
RGB Percent	80%, 69%, 93%
CMY	0.2037, 0.3099, 0.0744
CMYK	0.14, 0.25, 0.00, 0.07
HSL	267°, 61%, 81%
HSV	267°, 25%, 93%
XYZ	55.3094, 49.8033, 86.0708
YIQ	190.9130, -3.1680, 24.3840

Conversions

Conversions Part 2

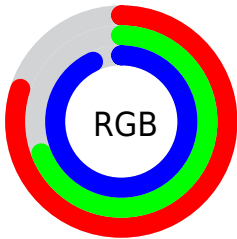
Format	Color
RYB	203, 176, 236
Decimal	13349100
CIELab	75.95, 21.11, -26.39
CIElCh	76, 33.795, 308.650
Yxy	49.8033, 0.2893, 0.2605
Android (android.graphics.Color)	4291539180 (0xFFCBB0EC)
YUV	190.9130, 22.2279, 10.6003
Hunter-Lab	70.5715, 16.3968, -22.9116

Details

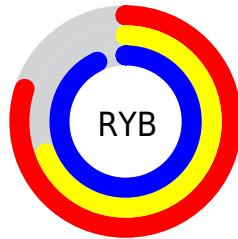
The Yxy color **49.8033, 0.2893, 0.2605** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **76.6834, 0.3317, 0.3967**, and the grayscale version is **51.9225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1932, 0.3138, 0.3068**, and **23.7571, 0.2821, 0.2434** is the 20% darker color. If you saturate the color by 10%, you get **39.5976, 0.2776, 0.2305**, and if you desaturate by 10%, it is **61.7741, 0.2996, 0.2890**.

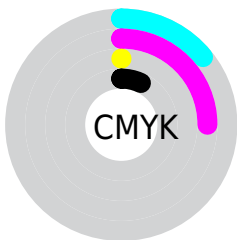
Distribution



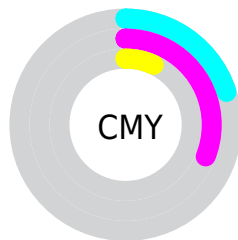
- Red (80%)
- Green (69%)
- Blue (93%)



- Red (80%)
- Yellow (69%)
- Blue (93%)



- Cyan (14%)
- Magenta (25%)
- Yellow (0%)
- Black (7%)



- Cyan (20%)
- Magenta (31%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8033, 0.2893, 0.2605 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 49.8033, 0.2893, 0.2605 by changing the saturation by 10% instead.

■ 49.8033, 0.2893,
0.2605

■ 49.8033, 0.2893,
0.2605

■ 385.8962, 0.3013,
0.2927

■ 35.2571, 0.2863,
0.2531

■ 89.8834, 0.2937,
0.2717

■ 23.8610, 0.2824,
0.2439

■ 116.1861, 0.2953,
0.2761

■ 15.2306, 0.2773,
0.2322

■ 147.1764, 0.2967,
0.2798

■ 8.9814, 0.2702,
0.2170

■ 183.2387, 0.2979,
0.2831

■ 4.7290, 0.2599,
0.1964

■ 224.7575, 0.2989,
0.2859

■ 2.0892, 0.2437,
0.1672

■ 272.1171, 0.2998,

■ 0.6585, 0.2164,

0.2884

0.1210

325.7018, 0.3006,
0.2907

0.0000, 0.0592,
0.0000

0.0000, 0.0000,
0.0000

49.8033, 0.2893,
0.2605

49.8033, 0.2893,
0.2605

39.5976, 0.2776,
0.2305

61.7741, 0.2996,
0.2890

31.0638, 0.2647,
0.1999

75.5846, 0.3084,
0.3155

24.1095, 0.2508,
0.1700

91.3126, 0.3160,
0.3397

18.6301, 0.2363,
0.1423

98.8156, 0.3237,
0.3473

■ 14.5083, 0.2220,
0.1185

■ 98.8374, 0.3238,
0.3473

■ 11.6077, 0.2086,
0.0999

■ 9.7611, 0.1966,
0.0873

■ 9.1506, 0.1917,
0.0829

Harmonies

Analogous

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



49.8033, 0.2519, 0.2551



49.8033, 0.2893, 0.2605



49.8033, 0.3360, 0.2811

Triad

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



49.8033, 0.2893, 0.2605



49.8033, 0.4003, 0.3843



49.8033, 0.2494, 0.3417

Complementary

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



49.8033, 0.2893, 0.2605



76.6834, 0.3317, 0.3967

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.



49.8033, 0.2856, 0.3852



49.8033, 0.2893, 0.2605



49.8033, 0.3733, 0.4082

Square

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



49.8033, 0.2893, 0.2605



49.8033, 0.4029, 0.3493



49.8033, 0.3310, 0.4103



49.8033, 0.2302, 0.2979

Rectangle

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



49.8033, 0.2893, 0.2605



49.8033, 0.3659, 0.3012



49.8033, 0.3310, 0.4103



49.8033, 0.2598, 0.3571

Sweetspot

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



49.8054, 0.2893, 0.2605



85.6057, 0.3063, 0.3089



60.8872, 0.2725, 0.2971



17.7789, 0.3050, 0.3049



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.



49.8054, 0.2893, 0.2605



52.1903, 0.2828, 0.2436



54.4267, 0.3132, 0.2652



14.8816, 0.3050, 0.3051



5.1175, 0.1933, 0.0839



0.4583, 0.2087, 0.0923

Inverse Universe

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



53.4793, 0.3377, 0.2931



57.4235, 0.3450, 0.2847



72.7188, 0.3113, 0.4012



15.1924, 0.3207, 0.3161



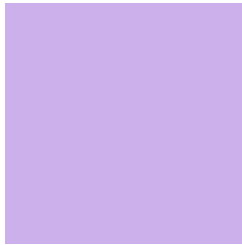
10.7379, 0.4750, 0.2390



0.8625, 0.4478, 0.2240

Previews

White Background



This preview shows how the Yxy color 49.8033, 0.2893, 0.2605 looks on a white background.

Color Contrast Check

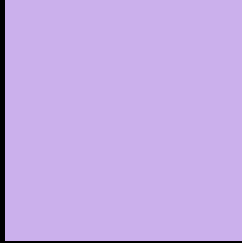
Large Text (above 18pt) WCAG AA × Fail

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 49.8033, 0.2893, 0.2605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

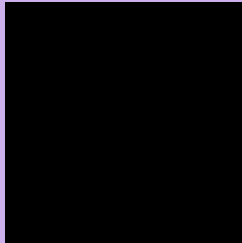
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8033, 0.2893, 0.2605

Background



This preview shows how black text looks on a background with the Yxy color 49.8033, 0.2893, 0.2605.



This preview shows how white text looks on a background with the Yxy color 49.8033, 0.2893, 0.2605.

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

49.8033, 0.2893, 0.2605

Protanopia

49.9396, 0.2629, 0.2598

Deuteranopia

50.1029, 0.2740, 0.2681



Tritanopia

49.8145, 0.3127, 0.3106

Trichromacy



Original Color

49.8033, 0.2893, 0.2605

Protanomaly

49.8144, 0.2720, 0.2607

Deuteranomaly

49.8647, 0.2795, 0.2655

Tritanomaly

49.5381, 0.3037, 0.2907

Monochromacy



Original Color

49.8033, 0.2893, 0.2605

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.2249, 0.3041, 0.3035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8033, 0.2893, 0.2605 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(203, 176, 236)` looks like.

```
.text, #text, p{  
    color:rgb(203, 176, 236)  
}
```

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(203, 176, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 176, 236) }
```

Border

The CSS property to change the border of an element to Yxy 49.8033, 0.2893, 0.2605 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(203, 176, 236) }
```

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

```
.border{ border-color:rgb(203, 176, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 176, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 176, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 176, 236);  
box-shadow:4px 4px 4px 4px rgb(203, 176,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8033, 0.2893, 0.2605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 176, 236) }
```

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

```
.background{ background-color: rgb(203,  
176, 236) }
```

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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