

Converting Colors

$Y_{xy}(42.5427, 0.2870, 0.2575)$

Have a look what the booklet for
Yxy(42.5427, 0.2870, 0.2575)
contains.

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Color

Yxy(42.6974, 0.2869, 0.2575)

Conversions

Conversions Part 1

Format	Color
Hex	BDA4DF
RGB	189, 164, 223
RGB Percent	74%, 64%, 87%
CMY	0.2590, 0.3568, 0.1255
CMYK	0.15, 0.26, 0.00, 0.13
HSL	265°, 48%, 76%
HSV	265°, 26%, 87%
XYZ	47.5724, 42.6974, 75.5454
YIQ	178.2010, -4.0390, 23.6490

Conversions

Conversions Part 2

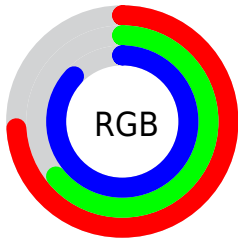
Format	Color
R_{YB}	189, 164, 223
Decimal	12428511
CIE _{Lab}	71.35, 20.48, -26.45
CIE _{LCh}	71, 33.457, 307.747
Yxy	42.6974, 0.2869, 0.2575
Android (android.graphics.Color)	4290618591 (0xFFBDA4DF)
YUV	178.2010, 22.0859, 9.4707
Hunter-Lab	65.3432, 15.6041, -22.8068

Details

The Yxy color $42.6974, 0.2869, 0.2575$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $67.4709, 0.3336, 0.3991$, and the grayscale version is $44.5139, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.4759, 0.3081, 0.2933$, and $19.5664, 0.2786, 0.2385$ is the 20% darker color. If you saturate the color by 10%, you get $33.8306, 0.2745, 0.2272$, and if you desaturate by 10%, it is $53.1133, 0.2978, 0.2863$.

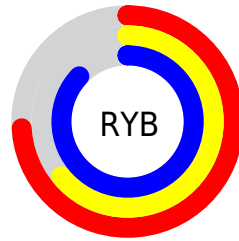
Distribution



Red (74%)

Green (64%)

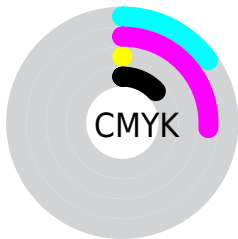
Blue (87%)



Red (74%)

Yellow (64%)

Blue (87%)

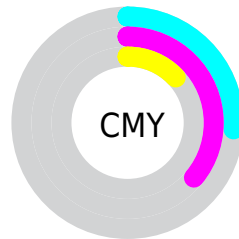


Cyan (15%)

Magenta (26%)

Yellow (0%)

Black (13%)



Cyan (26%)

Magenta (36%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6974, 0.2869, 0.2575 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 42.6974, 0.2869, 0.2575 by changing the saturation by 10% instead.

42.6974, 0.2869,
0.2575

42.6974, 0.2869,
0.2575

357.3658, 0.3004,
0.2919

29.6478, 0.2834,
0.2493

79.2540, 0.2919,
0.2697

19.5714, 0.2789,
0.2391

103.5298, 0.2937,
0.2744

12.0839, 0.2728,
0.2260

132.3164, 0.2953,
0.2783

6.8008, 0.2642,
0.2086

165.9983, 0.2966,
0.2818

3.3378, 0.2512,
0.1845

204.9597, 0.2978,
0.2848

1.3106, 0.2301,
0.1497

249.5852, 0.2987,

0.1494, 0.1988,

0.2875

0.0463

300.2591, 0.2996,
0.2898

0.0000, 0.0000,
0.0000

42.6974, 0.2869,
0.2575

42.6974, 0.2869,
0.2575

33.8306, 0.2745,
0.2272

53.1133, 0.2978,
0.2863

26.4306, 0.2609,
0.1964

65.1443, 0.3073,
0.3130

20.4157, 0.2463,
0.1662

78.8591, 0.3154,
0.3374

15.6936, 0.2312,
0.1384

94.3206, 0.3223,
0.3593

12.1601, 0.2165,
0.1146

97.7897, 0.3305,
0.3602

■ 9.6941, 0.2029,
0.0962

■ 98.1077, 0.3315,
0.3601

■ 8.1440, 0.1909,
0.0839

■ 7.7222, 0.1870,
0.0804

Harmonies

Analogous

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



42.6974, 0.2486, 0.2523



42.6974, 0.2869, 0.2575



42.6974, 0.3354, 0.2784

Triad

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



42.6974, 0.2869, 0.2575



42.6974, 0.4044, 0.3853



42.6974, 0.2477, 0.3436

Complementary

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



42.6974, 0.2869, 0.2575



67.4709, 0.3336, 0.3991

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.



42.6974, 0.2857, 0.3889



42.6974, 0.2869, 0.2575



42.6974, 0.3768, 0.4110

Square

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



42.6974, 0.2869, 0.2575



42.6974, 0.4064, 0.3487



42.6974, 0.3330, 0.4143



42.6974, 0.2273, 0.2976

Rectangle

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



42.6974, 0.2869, 0.2575



42.6974, 0.3668, 0.2990



42.6974, 0.3330, 0.4143



42.6974, 0.2587, 0.3598

Sweetspot

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



42.6992, 0.2869, 0.2575



85.5026, 0.3059, 0.3089



53.8052, 0.2713, 0.2983



17.7530, 0.3045, 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.



42.6992, 0.2869, 0.2575



50.6560, 0.2799, 0.2401



46.8045, 0.3116, 0.2626



13.5251, 0.3046, 0.3052



4.6039, 0.1886, 0.0813



0.3710, 0.2060, 0.0908

Inverse Universe

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



46.3264, 0.3374, 0.2899



56.4947, 0.3444, 0.2810



63.8843, 0.3125, 0.4039



13.8325, 0.3202, 0.3156



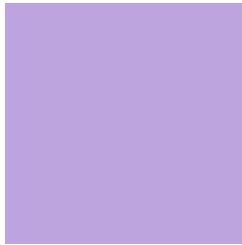
10.1749, 0.4628, 0.2323



0.7231, 0.4350, 0.2170

Previews

White Background



This preview shows how the Yxy color 42.6974, 0.2869, 0.2575 looks on a white background.

Color Contrast Check

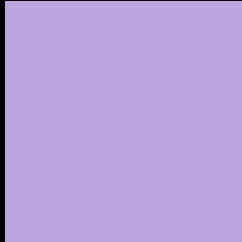
Large Text (above 18pt) WCAG AA × Fail

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 42.6974, 0.2869, 0.2575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

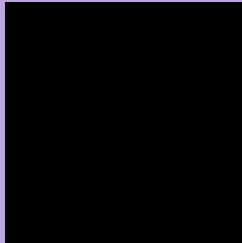
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.6974, 0.2869, 0.2575

Background



This preview shows how black text looks on a background with the Yxy color 42.6974, 0.2869, 0.2575.



This preview shows how white text looks on a background with the Yxy color 42.6974, 0.2869, 0.2575.

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

42.6974, 0.2869, 0.2575

Protanopia

42.9152, 0.2607, 0.2579

Deuteranopia

42.9945, 0.2709, 0.2655



Tritanopia

42.6959, 0.3118, 0.3107

Trichromacy



Original Color

42.6974, 0.2869, 0.2575

Protanomaly

42.8415, 0.2696, 0.2577

Deuteranomaly

42.7638, 0.2767, 0.2627

Tritanomaly

42.4431, 0.3022, 0.2894

Monochromacy



Original Color

42.6974, 0.2869, 0.2575

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.7273, 0.3035, 0.3019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6974, 0.2869, 0.2575 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(189, 164, 223)` looks like.

```
.text, #text, p{  
    color:rgb(189, 164, 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(189, 164, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 164, 223) }
```

Border

The CSS property to change the border of an element to Yxy 42.6974, 0.2869, 0.2575 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(189, 164, 223) }
```

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

```
.border{ border-color:rgb(189, 164, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 164, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 164, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 164, 223);  
box-shadow:4px 4px 4px 4px rgb(189, 164,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6974, 0.2869, 0.2575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 164, 223) }
```

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

```
.background{ background-color: rgb(189,  
164, 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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