

Converting Colors

$Yxy(36.7746, 0.2971, 0.2562)$

Have a look what the booklet for
Yxy(36.7746, 0.2971, 0.2562)
contains.

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Color

Yxy(36.8825, 0.2974, 0.2571)

Conversions

Conversions Part 1

Format	Color
Hex	BB96CF
RGB	187, 150, 207
RGB Percent	73%, 59%, 81%
CMY	0.2667, 0.4118, 0.1882
CMYK	0.10, 0.28, 0.00, 0.19
HSL	279°, 37%, 70%
HSV	279°, 28%, 81%
XYZ	42.6638, 36.8825, 63.9096
YIQ	167.5610, 3.7550, 25.5710

Conversions

Conversions Part 2

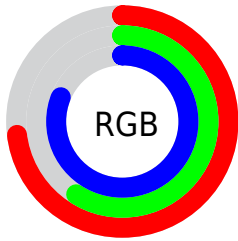
Format	Color
RYB	187, 150, 207
Decimal	12293839
CIELab	67.19, 24.26, -24.03
CIElCh	67, 34.145, 315.279
Yxy	36.8825, 0.2974, 0.2571
Android (android.graphics.Color)	4290483919 (0xFFBB96CF)
YUV	167.5610, 19.4434, 17.0480
Hunter-Lab	60.7310, 19.1179, -19.8815

Details

The Yxy color **36.8825, 0.2974, 0.2571** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.3813, 0.3241, 0.4043**, and the grayscale version is **38.8345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.6388, 0.3071, 0.2779**, and **16.2101, 0.2911, 0.2373** is the 20% darker color. If you saturate the color by 10%, you get **29.9572, 0.2901, 0.2292**, and if you desaturate by 10%, it is **45.0243, 0.3038, 0.2844**.

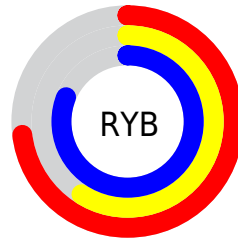
Distribution



Red (73%)

Green (59%)

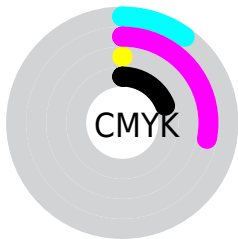
Blue (81%)



Red (73%)

Yellow (59%)

Blue (81%)

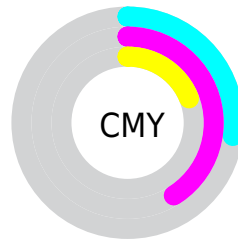


Cyan (10%)

Magenta (28%)

Yellow (0%)

Black (19%)



Cyan (27%)


Magenta (41%)

Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8825, 0.2974, 0.2571 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 36.8825, 0.2974, 0.2571 by changing the saturation by 10% instead.


 36.8825, 0.2974,
0.2571

 36.8825, 0.2974,
0.2571


332.8015, 0.3059,
0.2924

 25.1165, 0.2950,
0.2485


 70.3920, 0.3007,
0.2698

 16.1639, 0.2918,
0.2377


 92.9044, 0.3019,
0.2746

 9.6402, 0.2873,
0.2235


119.7677, 0.3029,
0.2787

 5.1611, 0.2806,
0.2044

151.3662, 0.3037,
0.2822

 2.3421, 0.2697,
0.1774

188.0845, 0.3044,
0.2853

 0.7958, 0.2503,
0.1367

230.3069, 0.3050,

 0.0000, 0.1756,

0.2879

0.0000

278.4178, 0.3055,
0.2903

0.0000, 0.0000,
0.0000

36.8825, 0.2974,
0.2571

36.8825, 0.2974,
0.2571

29.9572, 0.2901,
0.2292

45.0243, 0.3038,
0.2844

24.1817, 0.2819,
0.2017

54.4356, 0.3092,
0.3105

19.4897, 0.2730,
0.1756

65.1716, 0.3138,
0.3348

15.8064, 0.2636,
0.1522

77.2832, 0.3175,
0.3573

13.0467, 0.2541,
0.1328

90.8182, 0.3206,
0.3778

■ 11.1115, 0.2447,
0.1181

■ 92.9477, 0.3252,
0.3785

■ 9.8624, 0.2358,
0.1082

■ 94.1791, 0.3299,
0.3778

■ 9.6032, 0.2336,
0.1061

■ 95.4613, 0.3346,
0.3770

■ 96.7949, 0.3394,
0.3763

Harmonies

Analogous

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



36.8825, 0.2529, 0.2470



36.8825, 0.2974, 0.2571



36.8825, 0.3501, 0.2828

Triad

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



36.8825, 0.2974, 0.2571



36.8825, 0.4056, 0.3972



36.8825, 0.2358, 0.3313

Complementary

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



36.8825, 0.2974, 0.2571



55.3813, 0.3241, 0.4043

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.



36.8825, 0.2721, 0.3825



36.8825, 0.2974, 0.2571



36.8825, 0.3703, 0.4204

Square

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



36.8825, 0.2974, 0.2571



36.8825, 0.4155, 0.3598



36.8825, 0.3212, 0.4169



36.8825, 0.2198, 0.2847

Rectangle

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



36.8825, 0.2974, 0.2571



36.8825, 0.3819, 0.3062



36.8825, 0.3212, 0.4169



36.8825, 0.2459, 0.3488

Sweetspot

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



36.8841, 0.2974, 0.2571



86.3351, 0.3089, 0.3090



40.0801, 0.2680, 0.2798



17.9627, 0.3081, 0.3052



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.



36.8841, 0.2974, 0.2571



52.3716, 0.2932, 0.2408



39.2232, 0.3228, 0.2694



11.7928, 0.3082, 0.3057



6.1042, 0.2348, 0.1067



0.3847, 0.2508, 0.1155

Inverse Universe

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



37.9832, 0.3514, 0.3040



54.5173, 0.3626, 0.2984



53.5711, 0.3041, 0.3970



11.8758, 0.3236, 0.3209



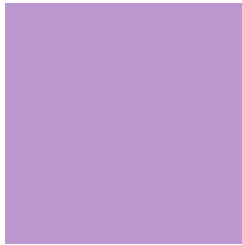
8.6743, 0.5556, 0.2834



0.4999, 0.5043, 0.2552

Previews

White Background



This preview shows how the Yxy color 36.8825, 0.2974, 0.2571 looks on a white background.

Color Contrast Check

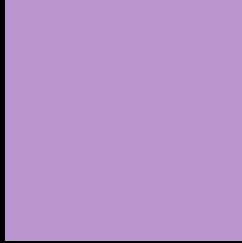
Large Text (above 18pt) WCAG AA × Fail

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 36.8825, 0.2974, 0.2571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

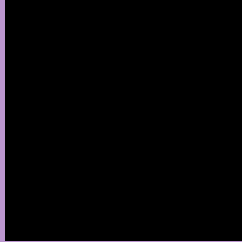
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8825, 0.2974, 0.2571

Background



This preview shows how black text looks on a background with the Yxy color 36.8825, 0.2974, 0.2571.



This preview shows how white text looks on a background with the Yxy color 36.8825, 0.2974, 0.2571.

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

36.8825, 0.2974, 0.2571

Protanopia

37.1881, 0.2600, 0.2564

Deuteranopia

37.1666, 0.2744, 0.2694



Tritanopia

36.8023, 0.3252, 0.3127

Trichromacy



Original Color

36.8825, 0.2974, 0.2571

Protanomaly

37.0443, 0.2724, 0.2565

Deuteranomaly

37.0052, 0.2825, 0.2643

Tritanomaly

36.5974, 0.3145, 0.2904

Monochromacy



Original Color

36.8825, 0.2974, 0.2571

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

37.9811, 0.3075, 0.3005

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8825, 0.2974, 0.2571 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(187, 150, 207)` looks like.

```
.text, #text, p{  
    color:rgb(187, 150, 207)  
}
```

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(187, 150, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 150, 207) }
```

Border

The CSS property to change the border of an element to Yxy 36.8825, 0.2974, 0.2571 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(187, 150, 207) }
```

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

```
.border{ border-color:rgb(187, 150, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 150, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 150, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 150, 207);  
box-shadow:4px 4px 4px 4px rgb(187, 150,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8825, 0.2974, 0.2571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 150, 207) }
```

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

```
.background{ background-color: rgb(187,  
150, 207) }
```

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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