

Converting Colors

$Y_{xy}(46.8237, 0.3077, 0.2650)$

Have a look what the booklet for
Yxy(46.8237, 0.3077, 0.2650)
contains.

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Color

Yxy(46.6925, 0.3079, 0.2650)

Conversions

Conversions Part 1

Format	Color
Hex	D5A6DE
RGB	213, 166, 222
RGB Percent	84%, 65%, 87%
CMY	0.1649, 0.3489, 0.1294
CMYK	0.04, 0.25, 0.00, 0.13
HSL	290°, 46%, 76%
HSV	290°, 25%, 87%
XYZ	54.2514, 46.6925, 75.2542
YIQ	186.4370, 10.0360, 27.3800

Conversions

Conversions Part 2

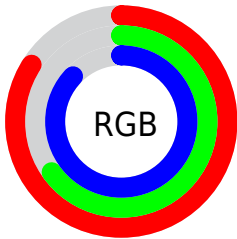
Format	Color
R _Y B	213, 166, 222
Decimal	14001886
CIE Lab	73.99, 26.86, -21.67
CIE LCh	74, 34.510, 321.103
Yxy	46.6925, 0.3079, 0.2650
Android (android.graphics.Color)	4292191966 (0xFFD5A6DE)
YUV	186.4370, 17.5326, 23.2958
Hunter-Lab	68.3319, 22.1373, -17.4640

Details

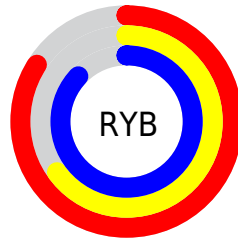
The Yxy color **46.6925, 0.3079, 0.2650** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **64.1130, 0.3157, 0.3992**, and the grayscale version is **49.2558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1929, 0.3143, 0.2960**, and **22.0937, 0.3058, 0.2494** is the 20% darker color. If you saturate the color by 10%, you get **38.7771, 0.3052, 0.2389**, and if you desaturate by 10%, it is **56.0168, 0.3101, 0.2910**.

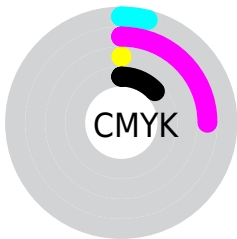
Distribution



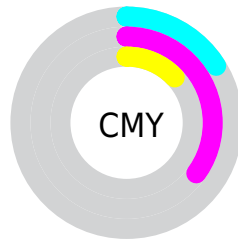
- Red (84%)
- Green (65%)
- Blue (87%)



- Red (84%)
- Yellow (65%)
- Blue (87%)



- Cyan (4%)
- Magenta (25%)
- Yellow (0%)
- Black (13%)




- Cyan (16%)
- Magenta (35%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6925, 0.3079, 0.2650 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 46.6925, 0.3079, 0.2650 by changing the saturation by 10% instead.


 46.6925, 0.3079,
0.2650

 46.6925, 0.3079,
0.2650


373.5858, 0.3109,
0.2953

 32.7926, 0.3070,
0.2579


 85.2544, 0.3091,
0.2757

 21.9676, 0.3058,
0.2491


 110.6853, 0.3095,
0.2798

 13.8331, 0.3040,
0.2378


140.7286, 0.3099,
0.2833

 8.0047, 0.3014,
0.2229

175.7688, 0.3101,
0.2863

 4.0979, 0.2971,
0.2025

216.1902, 0.3104,
0.2890

 1.7285, 0.2894,
0.1728

262.3772, 0.3106,

 0.4420, 0.2781,

0.2914

0.1120

314.7143, 0.3107,
0.2935

0.0000, 0.0289,
0.0000

0.0000, 0.0000,
0.0000

46.6925, 0.3079,
0.2650

46.6925, 0.3079,
0.2650

38.7771, 0.3052,
0.2389

56.0168, 0.3101,
0.2910

32.1929, 0.3021,
0.2138

66.8105, 0.3119,
0.3163

26.8639, 0.2985,
0.1905

79.1378, 0.3133,
0.3403

22.7041, 0.2946,
0.1702

93.0573, 0.3144,
0.3628

■ 19.6164, 0.2905,
0.1537

■ 93.7614, 0.3167,
0.3627

■ 17.4879, 0.2862,
0.1417

■ 94.3634, 0.3189,
0.3625

■ 16.1802, 0.2819,
0.1341

■ 94.9776, 0.3212,
0.3622

■ 15.7329, 0.2799,
0.1316

■ 95.6041, 0.3235,
0.3620

■ 96.2431, 0.3258,
0.3618

Harmonies

Analogous

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



46.6925, 0.2637, 0.2524



46.6925, 0.3079, 0.2650



46.6925, 0.3569, 0.2916

Triad

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



46.6925, 0.3079, 0.2650



46.6925, 0.3949, 0.3988



46.6925, 0.2361, 0.3221

Complementary

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



46.6925, 0.3079, 0.2650



64.1130, 0.3157, 0.3992

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.



46.6925, 0.2670, 0.3702



46.6925, 0.3079, 0.2650



46.6925, 0.3586, 0.4160

Square

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



46.6925, 0.3079, 0.2650



46.6925, 0.4092, 0.3657



46.6925, 0.3116, 0.4065



46.6925, 0.2248, 0.2811

Rectangle

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



46.6925, 0.3079, 0.2650



46.6925, 0.3846, 0.3148



46.6925, 0.3116, 0.4065



46.6925, 0.2443, 0.3381

Sweetspot

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



46.6945, 0.3079, 0.2650



87.0487, 0.3115, 0.3092



44.1801, 0.2706, 0.2697



18.1432, 0.3112, 0.3054



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.



46.6945, 0.3079, 0.2650



58.2531, 0.3066, 0.2519



47.1373, 0.3315, 0.2863



13.8178, 0.3112, 0.3057



9.3867, 0.2805, 0.1319



0.6810, 0.2871, 0.1355

Inverse Universe

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



45.9068, 0.3573, 0.3185



57.0550, 0.3694, 0.3163



63.8372, 0.2979, 0.3760



13.7364, 0.3267, 0.3252



9.3100, 0.6162, 0.3168



0.6565, 0.5771, 0.2953

Previews

White Background



This preview shows how the Yxy color 46.6925, 0.3079, 0.2650 looks on a white background.

Color Contrast Check

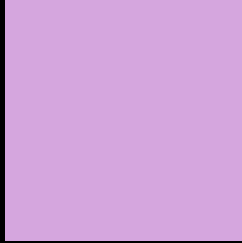
Large Text (above 18pt) WCAG AA × Fail

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 46.6925, 0.3079, 0.2650 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 46.6925, 0.3079, 0.2650

Background



This preview shows how black text looks on a background with the Yxy color 46.6925, 0.3079, 0.2650.



This preview shows how white text looks on a background with the Yxy color 46.6925, 0.3079, 0.2650.

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

46.6925, 0.3079, 0.2650

Protanopia

46.9037, 0.2669, 0.2649

Deuteranopia

46.8319, 0.2835, 0.2772



Tritanopia

46.8422, 0.3332, 0.3133

Trichromacy



Original Color

46.6925, 0.3079, 0.2650

Protanomaly

46.5757, 0.2808, 0.2651

Deuteranomaly

46.8300, 0.2921, 0.2726

Tritanomaly

46.5746, 0.3241, 0.2945

Monochromacy



Original Color

46.6925, 0.3079, 0.2650

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.0995, 0.3113, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6925, 0.3079, 0.2650 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(213, 166, 222)` looks like.

```
.text, #text, p{  
    color:rgb(213, 166, 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(213, 166, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 166, 222) }
```

Border

The CSS property to change the border of an element to Yxy 46.6925, 0.3079, 0.2650 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(213, 166, 222) }
```

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

```
.border{ border-color:rgb(213, 166, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 166, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 166, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 166, 222);  
box-shadow:4px 4px 4px 4px rgb(213, 166,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6925, 0.3079, 0.2650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 166, 222) }
```

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

```
.background{ background-color: rgb(213,  
166, 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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