

Converting Colors

$Y_{xy}(47.4773, 0.3078, 0.2587)$

Have a look what the booklet for
Yxy(47.4773, 0.3078, 0.2587)
contains.

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Color

Yxy(47.4171, 0.3074, 0.2586)

Conversions

Conversions Part 1

Format	Color
Hex	DAA5E4
RGB	218, 165, 228
RGB Percent	85%, 65%, 89%
CMY	0.1452, 0.3529, 0.1059
CMYK	0.04, 0.28, 0.00, 0.11
HSL	290°, 54%, 77%
HSV	290°, 28%, 89%
XYZ	56.3651, 47.4171, 79.5786
YIQ	188.0290, 11.3650, 30.8290

Conversions

Conversions Part 2

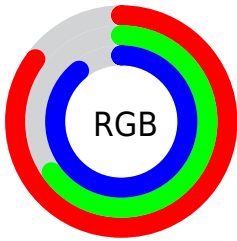
Format	Color
RYB	218, 165, 228
Decimal	14329316
CIELab	74.46, 30.18, -24.19
CIELCh	74, 38.681, 321.281
Yxy	47.4171, 0.3074, 0.2586
Android (android.graphics.Color)	4292519396 (0xFFDAA5E4)
YUV	188.0290, 19.7057, 26.2846
Hunter-Lab	68.8601, 25.6052, -20.3168

Details

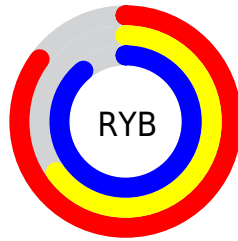
The Yxy color **47.4171, 0.3074, 0.2586** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **67.3224, 0.3158, 0.4070**, and the grayscale version is **50.1883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6664, 0.3143, 0.2950**, and **22.2483, 0.3051, 0.2412** is the 20% darker color. If you saturate the color by 10%, you get **39.3599, 0.3046, 0.2327**, and if you desaturate by 10%, it is **56.9568, 0.3097, 0.2847**.

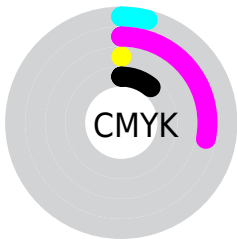
Distribution



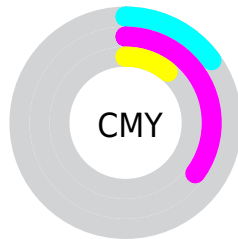
- Red (85%)
- Green (65%)
- Blue (89%)



- Red (85%)
- Yellow (65%)
- Blue (89%)



- Cyan (4%)
- Magenta (28%)
- Yellow (0%)
- Black (11%)





- Cyan (15%)
- Magenta (35%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4171, 0.3074, 0.2586 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 47.4171, 0.3074, 0.2586 by changing the saturation by 10% instead.


 47.4171, 0.3074,
0.2586


 47.4171, 0.3074,
0.2586


376.4770, 0.3108,
0.2917

 33.3655, 0.3064,
0.2510


 86.3359, 0.3088,
0.2701

 22.4066, 0.3050,
0.2415


 111.9719, 0.3092,
0.2746

 14.1560, 0.3031,
0.2295


142.2381, 0.3096,
0.2785

 8.2292, 0.3001,
0.2138

177.5190, 0.3099,
0.2818

 4.2420, 0.2954,
0.1925

218.1989, 0.3102,
0.2847

 1.8098, 0.2870,
0.1623

264.6623, 0.3104,

 0.4933, 0.2731,

0.2873

0.1069

317.2935, 0.3106,
0.2896

0.0000, 0.1302,
0.0000

0.0000, 0.0000,
0.0000

47.4171, 0.3074,
0.2586

47.4171, 0.3074,
0.2586

39.3599, 0.3046,
0.2327

56.9568, 0.3097,
0.2847

32.7011, 0.3015,
0.2078

68.0449, 0.3116,
0.3103


27.3575, 0.2979,
0.1852


80.7511, 0.3130,
0.3347


23.2347, 0.2939,
0.1658


94.3595, 0.3142,
0.3564


 20.2254, 0.2898,
0.1504


 94.9750, 0.3165,
0.3562

 18.2037, 0.2856,
0.1396

 95.6031, 0.3188,
0.3560

 16.9989, 0.2814,
0.1331

 96.2439, 0.3211,
0.3558

 16.7685, 0.2804,
0.1318

 96.8976, 0.3234,
0.3556

 97.5640, 0.3258,
0.3554

Harmonies

Analogous

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



47.4171, 0.2585, 0.2446



47.4171, 0.3074, 0.2586



47.4171, 0.3622, 0.2878

Triad

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



47.4171, 0.3074, 0.2586



47.4171, 0.4037, 0.4061



47.4171, 0.2277, 0.3204

Complementary

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



47.4171, 0.3074, 0.2586



67.3224, 0.3158, 0.4070

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.



47.4171, 0.2614, 0.3748



47.4171, 0.3074, 0.2586



47.4171, 0.3629, 0.4262

Square

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



47.4171, 0.3074, 0.2586



47.4171, 0.4202, 0.3690



47.4171, 0.3106, 0.4161



47.4171, 0.2157, 0.2751

Rectangle

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



47.4171, 0.3074, 0.2586



47.4171, 0.3932, 0.3131



47.4171, 0.3106, 0.4161



47.4171, 0.2367, 0.3385

Sweetspot

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



47.4191, 0.3074, 0.2586



87.0571, 0.3115, 0.3092



44.4634, 0.2660, 0.2631



18.1453, 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.



47.4191, 0.3074, 0.2586



55.0961, 0.3059, 0.2440



47.9158, 0.3338, 0.2820



14.4930, 0.3113, 0.3057



9.7262, 0.2811, 0.1322



0.7500, 0.2872, 0.1356

Inverse Universe

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



46.5075, 0.3632, 0.3176



53.8003, 0.3775, 0.3151



67.0329, 0.2965, 0.3813



14.4052, 0.3267, 0.3253



9.6101, 0.6169, 0.3172



0.7216, 0.5803, 0.2970

Previews

White Background



This preview shows how the Yxy color 47.4171, 0.3074, 0.2586 looks on a white background.

Color Contrast Check

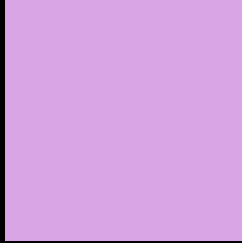
Large Text (above 18pt) WCAG AA × Fail

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 47.4171, 0.3074, 0.2586 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 47.4171, 0.3074, 0.2586

Background



This preview shows how black text looks on a background with the Yxy color 47.4171, 0.3074, 0.2586.



This preview shows how white text looks on a background with the Yxy color 47.4171, 0.3074, 0.2586.

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

47.4171, 0.3074, 0.2586

Protanopia

47.6638, 0.2614, 0.2574

Deuteranopia

47.7821, 0.2794, 0.2740



Tritanopia

47.4294, 0.3368, 0.3135

Trichromacy



Original Color

47.4171, 0.3074, 0.2586



Protanomaly

47.1552, 0.2762, 0.2568



Deuteranomaly

47.6203, 0.2893, 0.2685



Tritanomaly

47.2626, 0.3260, 0.2926

Monochromacy



Original Color

47.4171, 0.3074, 0.2586



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

49.0964, 0.3107, 0.3011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4171, 0.3074, 0.2586 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(218, 165, 228)` looks like.

```
.text, #text, p{  
    color:rgb(218, 165, 228)  
}
```

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(218, 165, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 165, 228) }
```

Border

The CSS property to change the border of an element to Yxy 47.4171, 0.3074, 0.2586 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(218, 165, 228) }
```

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

```
.border{ border-color:rgb(218, 165, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 165, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 165, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 165, 228);  
box-shadow:4px 4px 4px 4px rgb(218, 165,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4171, 0.3074, 0.2586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 165, 228) }
```

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

```
.background{ background-color: rgb(218,  
165, 228) }
```

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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