

Converting Colors

$Yxy(46.9406, 0.3004, 0.2751)$

Have a look what the booklet for
Yxy(46.9406, 0.3004, 0.2751)
contains.

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Color

Yxy(46.8464, 0.3000, 0.2744)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | C8ACDA |
| RGB | 200, 172, 218 |
| RGB Percent | 78%, 67%, 85% |
| CMY | 0.2158, 0.3254, 0.1452 |
| CMYK | 0.08, 0.21, 0.00, 0.15 |
| HSL | 276°, 38%, 76% |
| HSV | 276°, 21%, 85% |
| XYZ | 51.2169, 46.8464, 72.6597 |
| YIQ | 185.6160, 1.9220, 20.2420 |

Conversions

Conversions Part 2

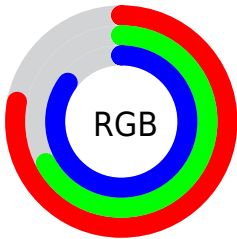
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 200, 172, 218 |
| Decimal | 13151450 |
| CIE Lab | 74.09, 18.55, -19.44 |
| CIE LCh | 74, 26.873, 313.654 |
| Yxy | 46.8464, 0.3000, 0.2744 |
| Android (android.graphics.Color) | 4291341530 (0xFFC8ACDA) |
| YUV | 185.6160, 15.9653, 12.6148 |
| Hunter-Lab | 68.4444, 13.7936, -15.0304 |

Details

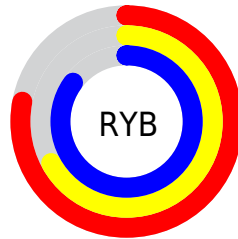
The Yxy color **46.8464, 0.3000, 0.2744** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **64.0657, 0.3231, 0.3850**, and the grayscale version is **48.7841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4182, 0.3140, 0.3019**, and **22.1883, 0.2963, 0.2611** is the 20% darker color. If you saturate the color by 10%, you get **38.0753, 0.2924, 0.2464**, and if you desaturate by 10%, it is **57.0482, 0.3066, 0.3012**.

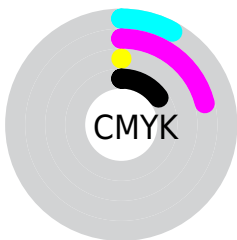
Distribution



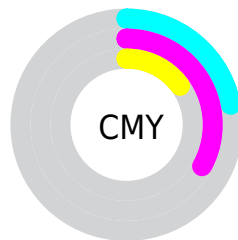
- Red (78%)
- Green (67%)
- Blue (85%)



- Red (78%)
- Yellow (67%)
- Blue (85%)



- Cyan (8%)
- Magenta (21%)
- Yellow (0%)
- Black (15%)




- Cyan (22%)
- Magenta (33%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8464, 0.3000, 0.2744 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 46.8464, 0.3000, 0.2744 by changing the saturation by 10% instead.

 46.8464, 0.3000,
0.2744

 46.8464, 0.3000,
0.2744


374.2011, 0.3067,
0.3006

 32.9142, 0.2983,
0.2682


 85.4843, 0.3025,
0.2837

 22.0608, 0.2960,
0.2604


110.9588, 0.3034,
0.2872

 13.9016, 0.2929,
0.2504


141.0496, 0.3042,
0.2903

 8.0522, 0.2885,
0.2370

176.1410, 0.3048,
0.2929

 4.1284, 0.2817,
0.2183

216.6175, 0.3054,
0.2952

 1.7456, 0.2704,
0.1905

262.8634, 0.3059,

 0.4529, 0.2533,

0.2972

0.1298

315.2631, 0.3063,
0.2990

0.0000, 0.0000,
0.0000

46.8464, 0.3000,
0.2744

46.8464, 0.3000,
0.2744

38.0753, 0.2924,
0.2464

57.0482, 0.3066,
0.3012

30.6616, 0.2837,
0.2179

68.7375, 0.3122,
0.3264

24.5343, 0.2742,
0.1900

81.9754, 0.3168,
0.3496

19.6136, 0.2639,
0.1640

94.0987, 0.3211,
0.3667

15.8103, 0.2533,
0.1411

95.5817, 0.3265,
0.3660

■ 13.0225, 0.2426,
0.1225

■ 97.1355, 0.3321,
0.3654

■ 11.1286, 0.2325,
0.1090

■ 97.8410, 0.3346,
0.3651

■ 10.0080, 0.2240,
0.1008

Harmonies

Analogous

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



46.8464, 0.2673, 0.2679



46.8464, 0.3000, 0.2744



46.8464, 0.3382, 0.2934

Triad

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



46.8464, 0.3000, 0.2744



46.8464, 0.3817, 0.3790



46.8464, 0.2572, 0.3334

Complementary

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



46.8464, 0.3000, 0.2744



64.0657, 0.3231, 0.3850

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.



46.8464, 0.2853, 0.3689



46.8464, 0.3000, 0.2744



46.8464, 0.3574, 0.3950

Square

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



46.8464, 0.3000, 0.2744



46.8464, 0.3870, 0.3516



46.8464, 0.3219, 0.3922



46.8464, 0.2438, 0.2992

Rectangle

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



46.8464, 0.3000, 0.2744



46.8464, 0.3613, 0.3111



46.8464, 0.3219, 0.3922



46.8464, 0.2651, 0.3458

Sweetspot

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



46.8484, 0.3000, 0.2744



89.5036, 0.3095, 0.3141



50.8372, 0.2791, 0.2945



18.9232, 0.3091, 0.3125



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.



46.8484, 0.3000, 0.2744



61.4144, 0.2970, 0.2629



49.2398, 0.3189, 0.2818



13.0068, 0.3076, 0.3055



6.0608, 0.2253, 0.1015



0.4420, 0.2408, 0.1100

Inverse Universe

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



48.1356, 0.3388, 0.3079



63.6013, 0.3453, 0.3035



62.0659, 0.3070, 0.3813



13.1357, 0.3230, 0.3199



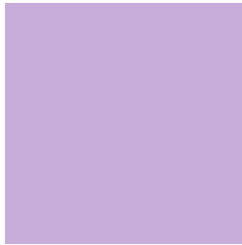
9.3471, 0.5399, 0.2748



0.6222, 0.4963, 0.2508

Previews

White Background



This preview shows how the Yxy color 46.8464, 0.3000, 0.2744 looks on a white background.

Color Contrast Check

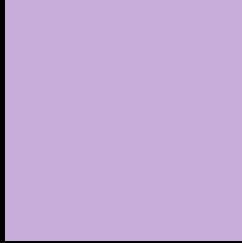
Large Text (above 18pt) WCAG AA × Fail

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 46.8464, 0.3000, 0.2744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

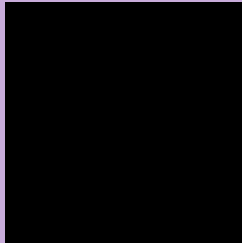
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8464, 0.3000, 0.2744

Background



This preview shows how black text looks on a background with the Yxy color 46.8464, 0.3000, 0.2744.



This preview shows how white text looks on a background with the Yxy color 46.8464, 0.3000, 0.2744.

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

46.8464, 0.3000, 0.2744

Protanopia

47.2002, 0.2742, 0.2755

Deuteranopia

46.9178, 0.2872, 0.2808



Tritanopia

46.9416, 0.3179, 0.3116

Trichromacy



Original Color

46.8464, 0.3000, 0.2744

Protanomaly

47.0598, 0.2829, 0.2750

Deuteranomaly

46.8792, 0.2918, 0.2790

Tritanomaly

46.7473, 0.3108, 0.2971

Monochromacy



Original Color

46.8464, 0.3000, 0.2744

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.2013, 0.3078, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8464, 0.3000, 0.2744 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(200, 172, 218)` looks like.

```
.text, #text, p{  
    color:rgb(200, 172, 218)  
}
```

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(200, 172, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 172, 218) }
```

Border

The CSS property to change the border of an element to Yxy 46.8464, 0.3000, 0.2744 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(200, 172, 218) }
```

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

```
.border{ border-color:rgb(200, 172, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 172, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 172, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 172, 218);  
box-shadow:4px 4px 4px 4px rgb(200, 172,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8464, 0.3000, 0.2744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 172, 218) }
```

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

```
.background{ background-color: rgb(200,  
172, 218) }
```

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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