

# Converting Colors

$Y_{xy}(46.8950, 0.3003, 0.2785)$

Have a look what the booklet for  
Yxy(46.8950, 0.3003, 0.2785)  
contains.

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# Color

**Yxy(46.7992, 0.3007, 0.2786)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6ADD7
RGB	198, 173, 215
RGB Percent	78%, 68%, 84%
CMY	0.2233, 0.3216, 0.1568
CMYK	0.08, 0.20, 0.00, 0.16
HSL	276°, 34%, 76%
HSV	276°, 20%, 84%
XYZ	50.5116, 46.7992, 70.6691
YIQ	185.2630, 1.4180, 18.3620

# Conversions

## Conversions Part 2

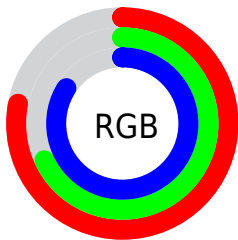
<b>Format</b>	<b>Color</b>
<b>RYB</b>	198, 173, 215
Decimal	13020631
CIELab	74.06, 16.80, -17.88
CIELCh	74, 24.541, 313.217
Yxy	46.7992, 0.3007, 0.2786
Android (android.graphics.Color)	4291210711 (0xFFC6ADD7)
YUV	185.2630, 14.6603, 11.1703
Hunter-Lab	68.4099, 12.0809, -13.3611

# Details

The Yxy color **46.7992, 0.3007, 0.2786** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **62.5621, 0.3227, 0.3805**, and the grayscale version is **48.5907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5186, 0.3139, 0.3039**, and **22.1421, 0.2972, 0.2666** is the 20% darker color. If you saturate the color by 10%, you get **38.0641, 0.2930, 0.2507**, and if you desaturate by 10%, it is **56.9326, 0.3073, 0.3052**.

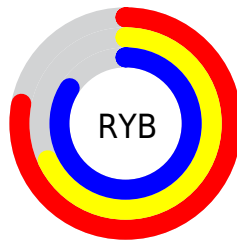
# Distribution



Red (78%)

Green (68%)

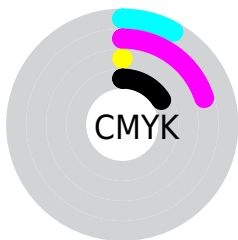
Blue (84%)



Red (78%)

Yellow (68%)

Blue (84%)

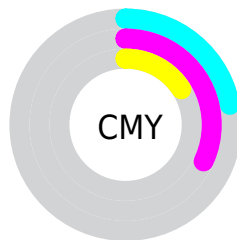


Cyan (8%)

Magenta (20%)

Yellow (0%)

Black (16%)



Cyan (22%)

Magenta (32%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7992, 0.3007, 0.2786 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 46.7992, 0.3007, 0.2786 by changing the saturation by 10% instead.




 46.7992, 0.3007,  
0.2786

 46.7992, 0.3007,  
0.2786


374.0124, 0.3070,  
0.3029

 32.8769, 0.2991,  
0.2728


 85.4138, 0.3030,  
0.2872

 22.0322, 0.2969,  
0.2656


110.8750, 0.3039,  
0.2905

 13.8806, 0.2940,  
0.2562


140.9512, 0.3046,  
0.2933

 8.0376, 0.2899,  
0.2436

176.0269, 0.3052,  
0.2958

 4.1190, 0.2836,  
0.2258

216.4865, 0.3058,  
0.2979

 1.7404, 0.2730,  
0.1992

262.7143, 0.3062,

 0.4496, 0.2574,

0.2997

0.1382

315.0949, 0.3066,  
0.3014

0.0000, 0.0000,  
0.0000

46.7992, 0.3007,  
0.2786

46.7992, 0.3007,  
0.2786

38.0641, 0.2930,  
0.2507

56.9326, 0.3073,  
0.3052

30.6568, 0.2842,  
0.2221

68.5185, 0.3129,  
0.3301

24.5097, 0.2745,  
0.1939

81.6155, 0.3176,  
0.3529

19.5466, 0.2641,  
0.1673

93.7076, 0.3219,  
0.3699

15.6826, 0.2532,  
0.1436

95.2007, 0.3275,  
0.3692

■ 12.8214, 0.2423,  
0.1241

■ 96.7665, 0.3331,  
0.3685

■ 10.8491, 0.2318,  
0.1096

■ 97.6870, 0.3363,  
0.3681

■ 9.5721, 0.2220,  
0.0998

■ 9.5205, 0.2216,  
0.0994

# Harmonies

## Analogous

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



46.7992, 0.2707, 0.2729



46.7992, 0.3007, 0.2786



46.7992, 0.3356, 0.2960

# Triad

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



46.7992, 0.3007, 0.2786



46.7992, 0.3760, 0.3747



46.7992, 0.2621, 0.3337

# Complementary

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



46.7992, 0.3007, 0.2786



62.5621, 0.3227, 0.3805

# 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.



46.7992, 0.2882, 0.3657



46.7992, 0.3007, 0.2786



46.7992, 0.3541, 0.3892

# Square

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



46.7992, 0.3007, 0.2786



46.7992, 0.3804, 0.3496



46.7992, 0.3218, 0.3866



46.7992, 0.2495, 0.3024



# Rectangle

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



46.7992, 0.3007, 0.2786



46.7992, 0.3566, 0.3123



46.7992, 0.3218, 0.3866



46.7992, 0.2696, 0.3449

# Sweetspot

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



46.8012, 0.3007, 0.2786



89.4723, 0.3094, 0.3141



50.8304, 0.2817, 0.2983



18.9158, 0.3090, 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.



46.8012, 0.3007, 0.2786



63.9053, 0.2980, 0.2685



49.0576, 0.3178, 0.2846



12.3714, 0.3074, 0.3056



5.7569, 0.2230, 0.1002



0.3949, 0.2397, 0.1094



# Inverse Universe

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



48.0434, 0.3361, 0.3090



66.0652, 0.3415, 0.3050



60.6434, 0.3079, 0.3779



12.5030, 0.3228, 0.3196



9.0694, 0.5351, 0.2721



0.5632, 0.4896, 0.2471



# Previews

## White Background



This preview shows how the Yxy color 46.7992, 0.3007, 0.2786 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

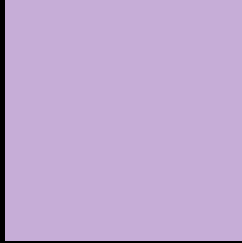
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.7992, 0.3007, 0.2786 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

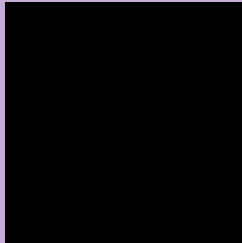
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.7992, 0.3007, 0.2786**

## Background



This preview shows how black text looks on a background with the Yxy color 46.7992, 0.3007, 0.2786.



This preview shows how white text looks on a background with the Yxy color 46.7992, 0.3007, 0.2786.

# 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

46.7992, 0.3007, 0.2786

### Protanopia

47.2137, 0.2784, 0.2803

### Deuteranopia

46.8862, 0.2901, 0.2844



## Tritanopia

46.6752, 0.3161, 0.3115

# Trichromacy



## Original Color

46.7992, 0.3007, 0.2786

## Protanomaly

46.9700, 0.2864, 0.2797

## Deuteranomaly

46.7245, 0.2940, 0.2824

## Tritanomaly

46.8229, 0.3098, 0.2994

# Monochromacy



## Original Color

46.7992, 0.3007, 0.2786

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

47.9804, 0.3085, 0.3102

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.7992, 0.3007, 0.2786 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(198, 173, 215)` looks like.

```
.text, #text, p{  
    color:rgb(198, 173, 215)  
}
```

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(198, 173, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 173, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 46.7992, 0.3007, 0.2786 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(198, 173, 215) }
```

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

```
.border{ border-color:rgb(198, 173, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 173, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 173, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 173, 215);  
box-shadow:4px 4px 4px 4px rgb(198, 173,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.7992, 0.3007, 0.2786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 173, 215) }
```

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

```
.background{ background-color: rgb(198,  
173, 215) }
```

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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