

# Converting Colors

$Yxy(46.6461, 0.3299, 0.2883)$

Have a look what the booklet for  
Yxy(46.6461, 0.3299, 0.2883)  
contains.

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# Color

**Yxy(46.4421, 0.3291, 0.2872)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DAA6CA
RGB	218, 166, 202
RGB Percent	85%, 65%, 79%
CMY	0.1450, 0.3491, 0.2078
CMYK	0.00, 0.24, 0.07, 0.14
HSL	318°, 41%, 75%
HSV	318°, 24%, 86%
XYZ	53.2176, 46.4421, 62.0468
YIQ	185.6520, 19.4360, 22.2200

# Conversions

## Conversions Part 2

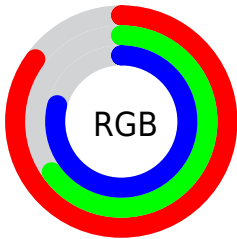
Format	Color
R <sub>Y</sub> B	218, 166, 202
Decimal	14329546
CIE Lab	73.83, 24.90, -10.93
CIE LCh	74, 27.195, 336.301
Yxy	46.4421, 0.3291, 0.2872
Android (android.graphics.Color)	4292519626 (0xFFDAA6CA)
YUV	185.6520, 8.0596, 28.3692
Hunter-Lab	68.1484, 20.1321, -6.2776

# Details

The Yxy color  $46.4421, 0.3291, 0.2872$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $61.6403, 0.2995, 0.3748$ , and the grayscale version is  $48.8463, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $80.1929, 0.3143, 0.2960$ , and  $21.8541, 0.3326, 0.2767$  is the 20% darker color. If you saturate the color by 10%, you get  $38.8676, 0.3380, 0.2691$ , and if you desaturate by 10%, it is  $55.3782, 0.3215, 0.3052$ .

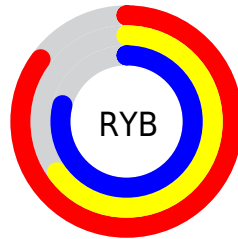
# Distribution



Red (85%)

Green (65%)

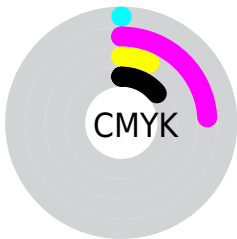
Blue (79%)



Red (85%)

Yellow (65%)

Blue (79%)

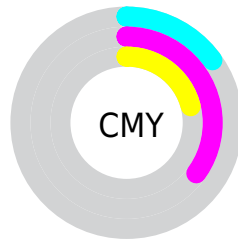


Cyan (0%)

Magenta (24%)

Yellow (7%)

Black (14%)



Cyan (15%)

Magenta (35%)


Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4421, 0.3291, 0.2872 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 46.4421, 0.3291, 0.2872 by changing the saturation by 10% instead.





 46.4421, 0.3291,  
0.2872

 46.4421, 0.3291,  
0.2872


372.5832, 0.3212,  
0.3074

 32.5948, 0.3310,  
0.2824


 84.8803, 0.3263,  
0.2944

 21.8162, 0.3333,  
0.2763


 110.2399, 0.3253,  
0.2971

 13.7219, 0.3363,  
0.2684


140.2059, 0.3243,  
0.2995

 7.9275, 0.3404,  
0.2577

175.1624, 0.3236,  
0.3015

 4.0486, 0.3461,  
0.2426

215.4941, 0.3229,  
0.3032

 1.7008, 0.3547,  
0.2194

261.5851, 0.3223,

 0.4242, 0.3791,

0.3048

0.1573

313.8201, 0.3217,  
0.3062

0.0000, 0.0000,  
0.0000

46.4421, 0.3291,  
0.2872

46.4421, 0.3291,  
0.2872

38.8676, 0.3380,  
0.2691

55.3782, 0.3215,  
0.3052

32.5806, 0.3481,  
0.2516

65.7327, 0.3150,  
0.3225

27.5093, 0.3594,  
0.2356

77.5671, 0.3095,  
0.3390

23.5725, 0.3717,  
0.2221

90.9369, 0.3049,  
0.3544

20.6787, 0.3847,  
0.2122

92.4600, 0.3011,  
0.3491

■ 18.7225, 0.3979,  
0.2068

■ 92.8563, 0.2974,  
0.3420

■ 17.5757, 0.4109,  
0.2064

■ 93.2674, 0.2938,  
0.3351

■ 17.1422, 0.4188,  
0.2081

■ 93.6496, 0.2906,  
0.3289

# Harmonies

## Analogous

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



46.4421, 0.2908, 0.2707



46.4421, 0.3291, 0.2872



46.4421, 0.3647, 0.3134

# Triad

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



46.4421, 0.3291, 0.2872



46.4421, 0.3655, 0.3935



46.4421, 0.2446, 0.3065

# Complementary

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



46.4421, 0.3291, 0.2872



61.6403, 0.2995, 0.3748

# 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.



46.4421, 0.2622, 0.3427



46.4421, 0.3291, 0.2872



46.4421, 0.3313, 0.3959

# Square

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



46.4421, 0.3291, 0.2872



46.4421, 0.3860, 0.3736



46.4421, 0.2935, 0.3770



46.4421, 0.2440, 0.2797



# Rectangle

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



46.4421, 0.3291, 0.2872



46.4421, 0.3811, 0.3338



46.4421, 0.2935, 0.3770



46.4421, 0.2486, 0.3179

# Sweetspot

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



46.4442, 0.3291, 0.2872



88.7866, 0.3169, 0.3171



42.2296, 0.2846, 0.2642



18.8075, 0.3173, 0.3160



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.



46.4442, 0.3291, 0.2872



60.1684, 0.3337, 0.2774



45.3295, 0.3523, 0.3167



13.2031, 0.3184, 0.3129



10.2872, 0.4170, 0.2071



0.6816, 0.3975, 0.1964



# Inverse Universe

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



46.4442, 0.3291, 0.2872



60.1684, 0.3337, 0.2774



62.7982, 0.2838, 0.3418



13.2031, 0.3184, 0.3129



10.2872, 0.4170, 0.2071



0.6816, 0.3975, 0.1964



# Previews

## White Background



This preview shows how the Yxy color 46.4421, 0.3291, 0.2872 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

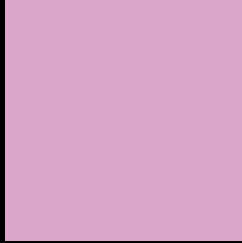
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.4421, 0.3291, 0.2872 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

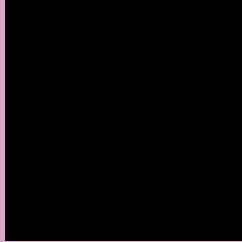
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.4421, 0.3291, 0.2872**

## Background



This preview shows how black text looks on a background with the Yxy color 46.4421, 0.3291, 0.2872.



This preview shows how white text looks on a background with the Yxy color 46.4421, 0.3291, 0.2872.

# 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

46.4421, 0.3291, 0.2872

### Protanopia

46.5758, 0.2860, 0.2897

### Deuteranopia

46.6908, 0.3064, 0.3003



## Tritanopia

46.2419, 0.3429, 0.3123

# Trichromacy



**Original Color**

46.4421, 0.3291, 0.2872

**Protanomaly**

46.2904, 0.3002, 0.2883

**Deuteranomaly**

46.5217, 0.3143, 0.2950

**Tritanomaly**

46.3219, 0.3376, 0.3030

# Monochromacy



**Original Color**

46.4421, 0.3291, 0.2872

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

48.0517, 0.3186, 0.3130

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.4421, 0.3291, 0.2872 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, 166, 202)` looks like.

```
.text, #text, p{  
    color:rgb(218, 166, 202)  
}
```

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, 166, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 166, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 46.4421, 0.3291, 0.2872 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, 166, 202) }
```

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

```
.border{ border-color:rgb(218, 166, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 166, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 166, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 166, 202);  
box-shadow:4px 4px 4px 4px rgb(218, 166,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.4421, 0.3291, 0.2872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 166, 202) }
```

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

```
.background{ background-color: rgb(218,  
166, 202) }
```

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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