

# Converting Colors

$Yxy(46.8425, 0.3163, 0.2699)$

Have a look what the booklet for  
Yxy(46.8425, 0.3163, 0.2699)  
contains.

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# Color

**Yxy(46.8254, 0.3164, 0.2699)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAA5D9
RGB	218, 165, 217
RGB Percent	85%, 65%, 85%
CMY	0.1450, 0.3529, 0.1491
CMYK	0.00, 0.24, 0.00, 0.15
HSL	301°, 42%, 75%
HSV	301°, 24%, 85%
XYZ	54.8928, 46.8254, 71.7735
YIQ	186.7750, 14.8960, 27.4080

# Conversions

## Conversions Part 2

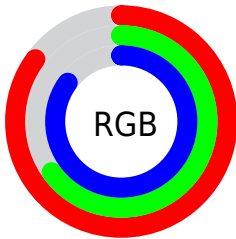
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	218, 165, 217
Decimal	14329305
CIE <sub>Lab</sub>	74.08, 28.12, -18.75
CIE <sub>LCh</sub>	74, 33.798, 326.300
Yxy	46.8254, 0.3164, 0.2699
Android (android.graphics.Color)	4292519385 (0xFFDAA5D9)
YUV	186.7750, 14.9009, 27.3843
Hunter-Lab	68.4291, 23.4391, -14.2874

# Details

The Yxy color  $46.8254, 0.3164, 0.2699$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $60.9036, 0.3088, 0.3962$ , and the grayscale version is  $49.4701, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $79.6664, 0.3143, 0.2950$ , and  $22.1003, 0.3162, 0.2557$  is the 20% darker color. If you saturate the color by 10%, you get  $39.5995, 0.3180, 0.2458$ , and if you desaturate by 10%, it is  $55.3960, 0.3148, 0.2945$ .

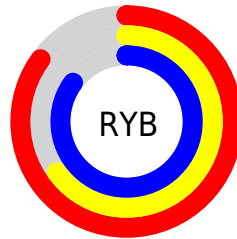
# Distribution



Red (85%)

Green (65%)

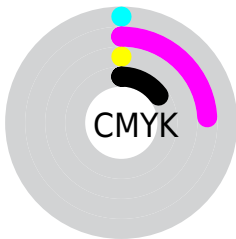
Blue (85%)



Red (85%)

Yellow (65%)

Blue (85%)

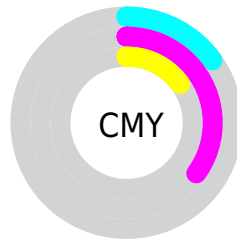


Cyan (0%)

Magenta (24%)

Yellow (0%)

Black (15%)



Cyan (15%)

Magenta (35%)


Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8254, 0.3164, 0.2699 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 46.8254, 0.3164, 0.2699 by changing the saturation by 10% instead.





 46.8254, 0.3164,  
0.2699


 46.8254, 0.3164,  
0.2699


374.1172, 0.3151,  
0.2980

 32.8976, 0.3166,  
0.2633


 85.4529, 0.3161,  
0.2798

 22.0480, 0.3167,  
0.2551


 110.9215, 0.3159,  
0.2836

 13.8922, 0.3167,  
0.2446


141.0058, 0.3157,  
0.2868

 8.0457, 0.3165,  
0.2306

176.0903, 0.3156,  
0.2897

 4.1242, 0.3158,  
0.2113

216.5592, 0.3155,  
0.2921

 1.7433, 0.3136,  
0.1831

262.7971, 0.3154,

 0.4515, 0.3126,

0.2943

0.1231

315.1883, 0.3152,  
0.2963

0.0000, 0.0958,  
0.0000

0.0000, 0.0000,  
0.0000

46.8254, 0.3164,  
0.2699

46.8254, 0.3164,  
0.2699

39.5995, 0.3180,  
0.2458

55.3960, 0.3148,  
0.2945

33.6441, 0.3196,  
0.2230

65.3683, 0.3133,  
0.3188

28.8873, 0.3211,  
0.2026

76.8033, 0.3119,  
0.3422

25.2478, 0.3225,  
0.1854

89.7570, 0.3106,  
0.3643

■ 22.6337, 0.3237,  
0.1721

■ 91.5475, 0.3103,  
0.3666

■ 20.9391, 0.3247,  
0.1631

■ 91.5700, 0.3100,  
0.3662

■ 20.0346, 0.3255,  
0.1583

■ 91.5925, 0.3098,  
0.3657

■ 19.7496, 0.3259,  
0.1569

■ 91.6152, 0.3096,  
0.3652

■ 91.6378, 0.3093,  
0.3648

# Harmonies

## Analogous

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



46.8254, 0.2714, 0.2549



46.8254, 0.3164, 0.2699



46.8254, 0.3637, 0.2980

# Triad

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



46.8254, 0.3164, 0.2699



46.8254, 0.3884, 0.4018



46.8254, 0.2342, 0.3145

# Complementary

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



46.8254, 0.3164, 0.2699



60.9036, 0.3088, 0.3962

# 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.



46.8254, 0.2615, 0.3614



46.8254, 0.3164, 0.2699



46.8254, 0.3501, 0.4145

# Square

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



46.8254, 0.3164, 0.2699



46.8254, 0.4066, 0.3713



46.8254, 0.3036, 0.4002



46.8254, 0.2268, 0.2768



# Rectangle

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



46.8254, 0.3164, 0.2699



46.8254, 0.3887, 0.3215



46.8254, 0.3036, 0.4002



46.8254, 0.2413, 0.3298

# Sweetspot

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



46.8274, 0.3164, 0.2699



89.1128, 0.3137, 0.3122



40.0690, 0.2720, 0.2606



18.8833, 0.3138, 0.3107



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.



46.8274, 0.3164, 0.2699



61.4553, 0.3172, 0.2579



45.5640, 0.3394, 0.2989



13.2702, 0.3141, 0.3064



11.8325, 0.3258, 0.1569



0.7680, 0.3250, 0.1564



# Inverse Universe

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



46.8274, 0.3164, 0.2699



61.4553, 0.3172, 0.2579



61.9721, 0.2924, 0.3613



13.2702, 0.3141, 0.3064



11.8325, 0.3258, 0.1569



0.7680, 0.3250, 0.1564



# Previews

## White Background



This preview shows how the Yxy color 46.8254, 0.3164, 0.2699 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

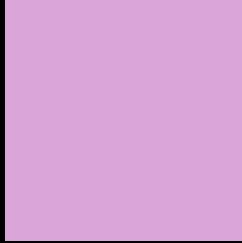
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.8254, 0.3164, 0.2699 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

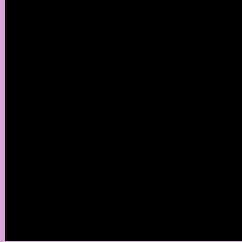
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.8254, 0.3164, 0.2699**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.8254, 0.3164, 0.2699.



This preview shows how white text looks on a background with the Yxy color 46.8254, 0.3164, 0.2699.

# 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

46.8254, 0.3164, 0.2699

### Protanopia

47.3071, 0.2709, 0.2708

### Deuteranopia

47.0101, 0.2909, 0.2845



## Tritanopia

46.7326, 0.3398, 0.3135

# Trichromacy



## Original Color

46.8254, 0.3164, 0.2699

## Protanomaly

46.7331, 0.2860, 0.2698

## Deuteranomaly

46.6638, 0.2998, 0.2785

## Tritanomaly

46.8085, 0.3313, 0.2972

# Monochromacy



## Original Color

46.8254, 0.3164, 0.2699

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

48.3232, 0.3138, 0.3057

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.8254, 0.3164, 0.2699 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(218, 165, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 165, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 46.8254, 0.3164, 0.2699 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, 217) }
```

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

```
.border{ border-color:rgb(218, 165, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 165, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 165, 217);  
box-shadow:4px 4px 4px 4px rgb(218, 165,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.8254, 0.3164, 0.2699 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, 217) }
```

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

```
.background{ background-color: rgb(218,  
165, 217) }
```

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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