

# Converting Colors

$Y_{xy}(45.8288, 0.3382, 0.2969)$

Have a look what the booklet for  
Yxy(45.8288, 0.3382, 0.2969)  
contains.

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# Color

**Yxy(45.8206, 0.3381, 0.2963)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBA5C1
RGB	219, 165, 193
RGB Percent	86%, 65%, 76%
CMY	0.1413, 0.3528, 0.2432
CMYK	0.00, 0.25, 0.12, 0.14
HSL	329°, 43%, 75%
HSV	329°, 25%, 86%
XYZ	52.2847, 45.8206, 56.5373
YIQ	184.3380, 23.1960, 20.1560

# Conversions

## Conversions Part 2

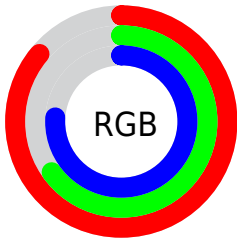
Format	Color
R <sub>Y</sub> B	219, 165, 193
Decimal	14394817
CIE Lab	73.43, 24.21, -6.56
CIE LCh	73, 25.088, 344.833
Yxy	45.8206, 0.3381, 0.2963
Android (android.graphics.Color)	4292584897 (0xFFDBA5C1)
YUV	184.3380, 4.2704, 30.3986
Hunter-Lab	67.6909, 19.4148, -2.1370

# Details

The Yxy color  $45.8206, 0.3381, 0.2963$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $62.4053, 0.2933, 0.3642$ , and the grayscale version is  $48.0956, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $79.2860, 0.3183, 0.3006$ , and  $21.4902, 0.3440, 0.2872$  is the 20% darker color. If you saturate the color by 10%, you get  $38.1333, 0.3520, 0.2824$ , and if you desaturate by 10%, it is  $54.8978, 0.3264, 0.3100$ .

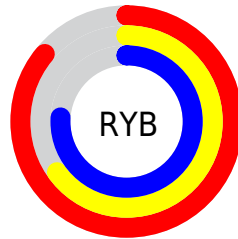
# Distribution



Red (86%)

Green (65%)

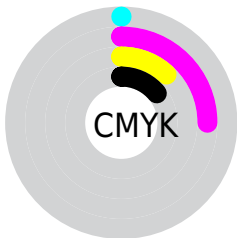
Blue (76%)



Red (86%)

Yellow (65%)

Blue (76%)

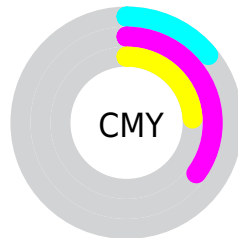


Cyan (0%)

Magenta (25%)

Yellow (12%)

Black (14%)



Cyan (14%)

Magenta (35%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8206, 0.3381, 0.2963 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 45.8206, 0.3381, 0.2963 by changing the saturation by 10% instead.




 45.8206, 0.3381,  
0.2963


 45.8206, 0.3381,  
0.2963


370.0869, 0.3256,  
0.3123

 32.1043, 0.3412,  
0.2924

 83.9504, 0.3336,  
0.3020

 21.4412, 0.3451,  
0.2875


 109.1328, 0.3319,  
0.3042

 13.4469, 0.3503,  
0.2811


138.9059, 0.3304,  
0.3060

 7.7370, 0.3574,  
0.2723

173.6541, 0.3292,  
0.3076

 3.9271, 0.3679,  
0.2595

213.7620, 0.3281,  
0.3090

 1.6329, 0.3846,  
0.2396

259.6138, 0.3272,

 0.3796, 0.4332,

0.3102

0.1719

311.5940, 0.3263,  
0.3113

0.0000, 0.0000,  
0.0000

45.8206, 0.3381,  
0.2963

45.8206, 0.3381,  
0.2963

38.1333, 0.3520,  
0.2824

54.8978, 0.3264,  
0.3100

31.7602, 0.3684,  
0.2690

65.4233, 0.3166,  
0.3232

26.6277, 0.3873,  
0.2568

77.4597, 0.3086,  
0.3355

22.6523, 0.4084,  
0.2470

91.0642, 0.3019,  
0.3470

19.7403, 0.4313,  
0.2409

93.2093, 0.2961,  
0.3385

■ 17.7830, 0.4549,  
0.2395

■ 93.7939, 0.2911,  
0.3289

■ 16.6479, 0.4782,  
0.2436

■ 16.2587, 0.4903,  
0.2475

# Harmonies

## Analogous

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



45.8206, 0.3022, 0.2779



45.8206, 0.3381, 0.2963



45.8206, 0.3682, 0.3226

# Triad

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



45.8206, 0.3381, 0.2963



45.8206, 0.3537, 0.3913



45.8206, 0.2475, 0.3000

# Complementary

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



45.8206, 0.3381, 0.2963



62.4053, 0.2933, 0.3642

# 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.



45.8206, 0.2596, 0.3319



45.8206, 0.3381, 0.2963



45.8206, 0.3201, 0.3877

# Square

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



45.8206, 0.3381, 0.2963



45.8206, 0.3770, 0.3771



45.8206, 0.2857, 0.3652



45.8206, 0.2515, 0.2786



# Rectangle

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



45.8206, 0.3381, 0.2963



45.8206, 0.3800, 0.3420



45.8206, 0.2857, 0.3652



45.8206, 0.2498, 0.3098

# Sweetspot

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



45.8227, 0.3381, 0.2963



88.5941, 0.3188, 0.3200



43.0032, 0.2910, 0.2633



18.7629, 0.3194, 0.3192



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.



45.8227, 0.3381, 0.2963



58.3712, 0.3456, 0.2885



44.7560, 0.3625, 0.3270



13.1637, 0.3211, 0.3169



9.6668, 0.4871, 0.2457



0.6437, 0.4527, 0.2267



# Inverse Universe

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



45.8227, 0.3381, 0.2963



58.3712, 0.3456, 0.2885



63.6625, 0.2777, 0.3311



13.1637, 0.3211, 0.3169



9.6668, 0.4871, 0.2457

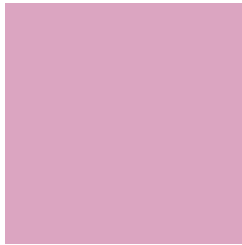


0.6437, 0.4527, 0.2267



# Previews

## White Background



This preview shows how the Yxy color 45.8206, 0.3381, 0.2963 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

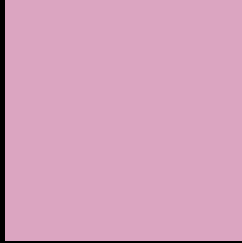
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.8206, 0.3381, 0.2963 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

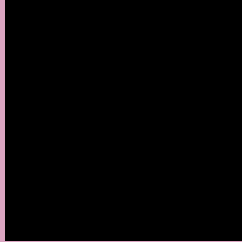
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.8206, 0.3381, 0.2963**

## Background



This preview shows how black text looks on a background with the Yxy color 45.8206, 0.3381, 0.2963.



This preview shows how white text looks on a background with the Yxy color 45.8206, 0.3381, 0.2963.

# 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

45.8206, 0.3381, 0.2963

### Protanopia

45.9694, 0.2941, 0.2995

### Deuteranopia

45.7590, 0.3154, 0.3089



## Tritanopia

45.6844, 0.3478, 0.3136

# Trichromacy



## Original Color

45.8206, 0.3381, 0.2963

## Protanomaly

45.7331, 0.3090, 0.2979

## Deuteranomaly

45.4881, 0.3229, 0.3032

## Tritanomaly

45.6806, 0.3443, 0.3066

# Monochromacy



## Original Color

45.8206, 0.3381, 0.2963

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

46.9025, 0.3220, 0.3165

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.8206, 0.3381, 0.2963 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(219, 165, 193)` looks like.

```
.text, #text, p{  
    color:rgb(219, 165, 193)  
}
```

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(219, 165, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 165, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 45.8206, 0.3381, 0.2963 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(219, 165, 193) }
```

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

```
.border{ border-color:rgb(219, 165, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 165, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 165, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 165, 193);  
box-shadow:4px 4px 4px 4px rgb(219, 165,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.8206, 0.3381, 0.2963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 165, 193) }
```

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

```
.background{ background-color: rgb(219,  
165, 193) }
```

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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