

# Converting Colors

$Yxy(45.6121, 0.3403, 0.3098)$

Have a look what the booklet for  
Yxy(45.6121, 0.3403, 0.3098)  
contains.

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# Color

**Yxy(45.6121, 0.3403, 0.3098)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5A8B8
RGB	213, 168, 184
RGB Percent	84%, 66%, 72%
CMY	0.1646, 0.3412, 0.2784
CMYK	0.00, 0.21, 0.14, 0.16
HSL	339°, 35%, 75%
HSV	339°, 21%, 84%
XYZ	50.1026, 45.6121, 51.5161
YIQ	183.2790, 21.6840, 14.5160

# Conversions

## Conversions Part 2

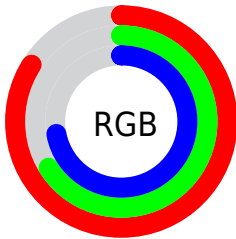
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	213, 168, 184
Decimal	14002360
CIE Lab	73.29, 19.02, -1.89
CIE LCh	73, 19.113, 354.323
Yxy	45.6121, 0.3403, 0.3098
Android (android.graphics.Color)	4292192440 (0xFFD5A8B8)
YUV	183.2790, 0.3555, 26.0653
Hunter-Lab	67.5367, 14.2323, 2.0501

# Details

The Yxy color **45.6121, 0.3403, 0.3098** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **59.9607, 0.2913, 0.3491**, and the grayscale version is **47.5066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3266, 0.3240, 0.3123**, and **21.3986, 0.3484, 0.3050** is the 20% darker color. If you saturate the color by 10%, you get **37.8346, 0.3579, 0.3002**, and if you desaturate by 10%, it is **54.7381, 0.3258, 0.3192**.

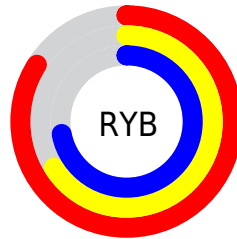
# Distribution



Red (84%)

Green (66%)

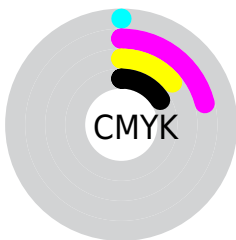
Blue (72%)



Red (84%)

Yellow (66%)

Blue (72%)

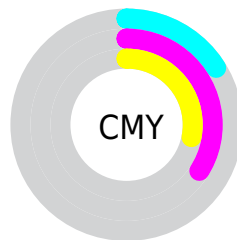


Cyan (0%)

Magenta (21%)

Yellow (14%)

Black (16%)



Cyan (16%)

Magenta (34%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6121, 0.3403, 0.3098 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 45.6121, 0.3403, 0.3098 by changing the saturation by 10% instead.





 45.6121, 0.3403,  
0.3098


 45.6121, 0.3403,  
0.3098

369.2470, 0.3265,  
0.3194

 31.9398, 0.3437,  
0.3074


 83.6382, 0.3353,  
0.3133

 21.3155, 0.3482,  
0.3044


 108.7608, 0.3334,  
0.3146

 13.3548, 0.3541,  
0.3004


138.4689, 0.3318,  
0.3157

 7.6734, 0.3624,  
0.2948

173.1470, 0.3304,  
0.3166

 3.8867, 0.3747,  
0.2865

213.1795, 0.3293,  
0.3174

 1.6104, 0.3952,  
0.2730

258.9507, 0.3282,

 0.3646, 0.4757,

0.3182

0.2139

310.8451, 0.3273,  
0.3188

0.0000, 0.0000,  
0.0000

45.6121, 0.3403,  
0.3098

45.6121, 0.3403,  
0.3098

37.8346, 0.3579,  
0.3002

54.7381, 0.3258,  
0.3192

31.3351, 0.3792,  
0.2907

65.2663, 0.3139,  
0.3280

26.0461, 0.4044,  
0.2820

77.2551, 0.3042,  
0.3363

21.8914, 0.4334,  
0.2750

90.7577, 0.2963,  
0.3438

18.7860, 0.4655,  
0.2711

92.7402, 0.2890,  
0.3313

■ 16.6326, 0.4991,  
0.2713

■ 92.8910, 0.2877,  
0.3289

■ 15.3157, 0.5316,  
0.2766

■ 14.6696, 0.5579,  
0.2847

# Harmonies

## Analogous

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



45.6121, 0.3136, 0.2930



45.6121, 0.3403, 0.3098



45.6121, 0.3599, 0.3316

# Triad

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



45.6121, 0.3403, 0.3098



45.6121, 0.3367, 0.3770



45.6121, 0.2619, 0.3009

# Complementary

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



45.6121, 0.3403, 0.3098



59.9607, 0.2913, 0.3491

# 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.



45.6121, 0.2675, 0.3234



45.6121, 0.3403, 0.3098



45.6121, 0.3101, 0.3691

# Square

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



45.6121, 0.3403, 0.3098



45.6121, 0.3576, 0.3707



45.6121, 0.2849, 0.3490



45.6121, 0.2691, 0.2873



# Rectangle

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



45.6121, 0.3403, 0.3098



45.6121, 0.3659, 0.3466



45.6121, 0.2849, 0.3490



45.6121, 0.2624, 0.3077

# Sweetspot

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



45.6142, 0.3403, 0.3098



90.0049, 0.3195, 0.3237



44.6130, 0.3010, 0.2745



19.0422, 0.3203, 0.3232



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.



45.6142, 0.3403, 0.3098



63.4819, 0.3471, 0.3059



47.2487, 0.3535, 0.3364



12.4931, 0.3236, 0.3207



8.9755, 0.5541, 0.2826



0.5569, 0.5060, 0.2561



# Inverse Universe

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



45.6142, 0.3403, 0.3098



63.4819, 0.3471, 0.3059



57.7685, 0.2809, 0.3215



12.4931, 0.3236, 0.3207



8.9755, 0.5541, 0.2826

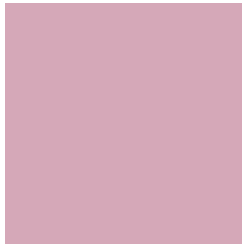


0.5569, 0.5060, 0.2561



# Previews

## White Background



This preview shows how the Yxy color 45.6121, 0.3403, 0.3098 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

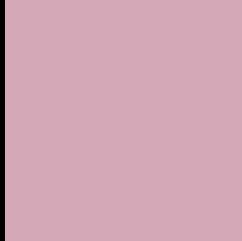
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.6121, 0.3403, 0.3098 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

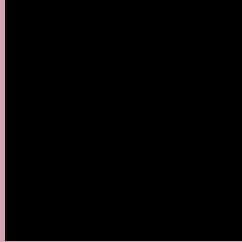
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.6121, 0.3403, 0.3098**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.6121, 0.3403, 0.3098.



This preview shows how white text looks on a background with the Yxy color 45.6121, 0.3403, 0.3098.

# 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

45.6121, 0.3403, 0.3098

### Protanopia

45.7051, 0.3041, 0.3134

### Deuteranopia

45.8146, 0.3247, 0.3190



## Tritanopia

45.4876, 0.3430, 0.3134

# Trichromacy



## Original Color

45.6121, 0.3403, 0.3098

## Protanomaly

45.4973, 0.3170, 0.3125

## Deuteranomaly

45.4805, 0.3305, 0.3154

## Tritanomaly

45.5288, 0.3421, 0.3122

# Monochromacy



## Original Color

45.6121, 0.3403, 0.3098

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

46.7290, 0.3226, 0.3227

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.6121, 0.3403, 0.3098 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(213, 168, 184)` looks like.

```
.text, #text, p{  
    color:rgb(213, 168, 184)  
}
```

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(213, 168, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 168, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 45.6121, 0.3403, 0.3098 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(213, 168, 184) }
```

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

```
.border{ border-color:rgb(213, 168, 184) }
```

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

Here you see how a box with a 4 pixel rgb(213, 168, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 168, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 168, 184);  
box-shadow:4px 4px 4px 4px rgb(213, 168,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.6121, 0.3403, 0.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 168, 184) }
```

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

```
.background{ background-color: rgb(213,  
168, 184) }
```

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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