

# Converting Colors

$Yxy(45.2483, 0.3275, 0.3060)$

Have a look what the booklet for  
Yxy(45.2483, 0.3275, 0.3060)  
contains.

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# Color

**Yxy(45.2609, 0.3273, 0.3057)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCAABD
RGB	204, 170, 189
RGB Percent	80%, 67%, 74%
CMY	0.2001, 0.3333, 0.2587
CMYK	0.00, 0.17, 0.07, 0.20
HSL	326°, 25%, 73%
HSV	326°, 17%, 80%
XYZ	48.4589, 45.2609, 54.3368
YIQ	182.3320, 14.1650, 13.1170

# Conversions

## Conversions Part 2

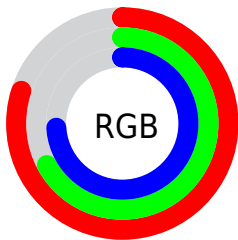
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 170, 189
Decimal	13413053
CIE <sub>Lab</sub>	73.06, 15.54, -5.08
CIE <sub>LCh</sub>	73, 16.353, 341.899
Yxy	45.2609, 0.3273, 0.3057
Android (android.graphics.Color)	4291603133 (0xFFCCAABD)
YUV	182.3320, 3.2873, 19.0028
Hunter-Lab	67.2762, 10.8398, -0.7932

# Details

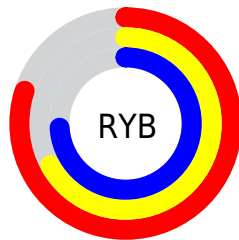
The Yxy color  $45.2609, 0.3273, 0.3057$  is a light color, and the websafe version is hex  $CC9999$ . A complement of this color would be  $55.2244, 0.3004, 0.3535$ , and the grayscale version is  $46.9459, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $81.7030, 0.3206, 0.3094$ , and  $21.2185, 0.3316, 0.2994$  is the 20% darker color. If you saturate the color by 10%, you get  $37.8205, 0.3384, 0.2910$ , and if you desaturate by 10%, it is  $53.9160, 0.3180, 0.3199$ .

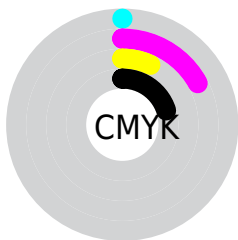
# Distribution



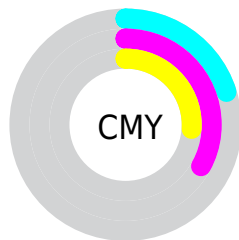
- Red (80%)
- Green (67%)
- Blue (74%)



- Red (80%)
- Yellow (67%)
- Blue (74%)



- Cyan (0%)
- Magenta (17%)
- Yellow (7%)
- Black (20%)




- Cyan (20%)
- Magenta (33%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2609, 0.3273, 0.3057 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 45.2609, 0.3273, 0.3057 by changing the saturation by 10% instead.





 45.2609, 0.3273,  
0.3057

 45.2609, 0.3273,  
0.3057

367.8292, 0.3201,  
0.3172

 31.6630, 0.3291,  
0.3029


 83.1118, 0.3247,  
0.3098

 21.1042, 0.3314,  
0.2993


108.1335, 0.3237,  
0.3114

 13.2002, 0.3344,  
0.2945


137.7320, 0.3229,  
0.3127

 7.5665, 0.3386,  
0.2879

172.2916, 0.3222,  
0.3139

 3.8189, 0.3448,  
0.2783

212.1967, 0.3215,  
0.3149

 1.5728, 0.3548,  
0.2628

257.8318, 0.3210,

 0.3391, 0.3975,

0.3157

0.1921

309.5811, 0.3205,  
0.3165

0.0000, 0.0000,  
0.0000

45.2609, 0.3273,  
0.3057

45.2609, 0.3273,  
0.3057

37.8205, 0.3384,  
0.2910

53.9160, 0.3180,  
0.3199

31.5339, 0.3514,  
0.2762

63.8312, 0.3103,  
0.3334

26.3438, 0.3666,  
0.2619

75.0570, 0.3039,  
0.3460

22.1857, 0.3839,  
0.2492

87.6394, 0.2986,  
0.3576

18.9880, 0.4031,  
0.2391

90.2911, 0.2937,  
0.3513

■ 16.6703, 0.4236,  
0.2329

■ 90.8205, 0.2890,  
0.3416

■ 15.1386, 0.4446,  
0.2315

■ 91.3764, 0.2843,  
0.3321

■ 14.2706, 0.4651,  
0.2355

■ 91.5744, 0.2827,  
0.3289

■ 14.0526, 0.4720,  
0.2374

# Harmonies

## Analogous

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



45.2609, 0.3038, 0.2939



45.2609, 0.3273, 0.3057



45.2609, 0.3473, 0.3233

# Triad

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



45.2609, 0.3273, 0.3057



45.2609, 0.3418, 0.3692



45.2609, 0.2696, 0.3124

# Complementary

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



45.2609, 0.3273, 0.3057



55.2244, 0.3004, 0.3535

# 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.



45.2609, 0.2790, 0.3335



45.2609, 0.3273, 0.3057



45.2609, 0.3203, 0.3674

# Square

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



45.2609, 0.3273, 0.3057



45.2609, 0.3557, 0.3598



45.2609, 0.2973, 0.3541



45.2609, 0.2712, 0.2970



# Rectangle

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



45.2609, 0.3273, 0.3057



45.2609, 0.3557, 0.3364



45.2609, 0.2973, 0.3541



45.2609, 0.2715, 0.3191

# Sweetspot

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



45.2629, 0.3273, 0.3057



91.7768, 0.3167, 0.3221



43.3930, 0.2980, 0.2860



19.4060, 0.3173, 0.3212



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.



45.2629, 0.3273, 0.3057



70.3027, 0.3311, 0.3004



44.5771, 0.3421, 0.3263



11.3170, 0.3204, 0.3161



8.8660, 0.4693, 0.2359



0.4725, 0.4326, 0.2157



# Inverse Universe

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



45.2629, 0.3273, 0.3057



70.3027, 0.3311, 0.3004



55.9736, 0.2892, 0.3318



11.3170, 0.3204, 0.3161



8.8660, 0.4693, 0.2359

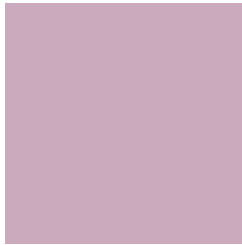


0.4725, 0.4326, 0.2157



# Previews

## White Background



This preview shows how the Yxy color 45.2609, 0.3273, 0.3057 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

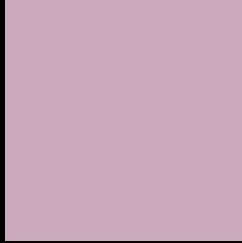
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.2609, 0.3273, 0.3057 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

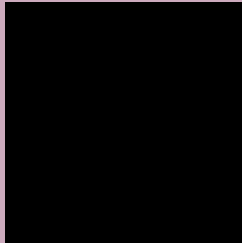
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.2609, 0.3273, 0.3057**

## Background



This preview shows how black text looks on a background with the Yxy color 45.2609, 0.3273, 0.3057.



This preview shows how white text looks on a background with the Yxy color 45.2609, 0.3273, 0.3057.

# 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

45.2609, 0.3273, 0.3057

### Protanopia

45.2008, 0.3001, 0.3082

### Deuteranopia

45.2404, 0.3180, 0.3113



## Tritanopia

45.2830, 0.3307, 0.3130

# Trichromacy



## Original Color

45.2609, 0.3273, 0.3057

## Protanomaly

45.0305, 0.3094, 0.3073

## Deuteranomaly

45.3883, 0.3216, 0.3103

## Tritanomaly

45.3675, 0.3289, 0.3105

# Monochromacy



## Original Color

45.2609, 0.3273, 0.3057

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

46.2907, 0.3175, 0.3201

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.2609, 0.3273, 0.3057 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(204, 170, 189)` looks like.

```
.text, #text, p{  
    color:rgb(204, 170, 189)  
}
```

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(204, 170, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 170, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 45.2609, 0.3273, 0.3057 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(204, 170, 189) }
```

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

```
.border{ border-color:rgb(204, 170, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 170, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 170, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 170, 189);  
box-shadow:4px 4px 4px 4px rgb(204, 170,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.2609, 0.3273, 0.3057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 170, 189) }
```

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

```
.background{ background-color: rgb(204,  
170, 189) }
```

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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