

# Converting Colors

$Y_{xy}(44.8533, 0.3438, 0.3029)$

Have a look what the booklet for  
Yxy(44.8533, 0.3438, 0.3029)  
contains.

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# Color

**Yxy(45.0015, 0.3438, 0.3030)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAA4BA
RGB	218, 164, 186
RGB Percent	85%, 64%, 73%
CMY	0.1450, 0.3569, 0.2705
CMYK	0.00, 0.25, 0.15, 0.14
HSL	336°, 42%, 75%
HSV	336°, 25%, 86%
XYZ	51.0611, 45.0015, 52.4572
YIQ	182.6540, 25.1220, 18.2900

# Conversions

## Conversions Part 2

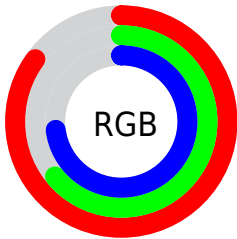
Format	Color
R <sub>Y</sub> B	218, 164, 186
Decimal	14329018
CIE Lab	72.89, 23.30, -3.52
CIE LCh	73, 23.569, 351.401
Yxy	45.0015, 0.3438, 0.3030
Android (android.graphics.Color)	4292519098 (0xFFDAA4BA)
YUV	182.6540, 1.6496, 30.9984
Hunter-Lab	67.0832, 18.4718, 0.5951

# Details

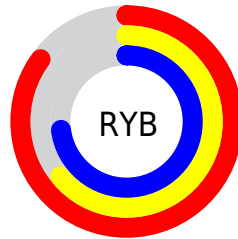
The Yxy color **45.0015, 0.3438, 0.3030** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **62.0393, 0.2895, 0.3567**, and the grayscale version is **47.1375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3338, 0.3230, 0.3063**, and **20.9632, 0.3520, 0.2960** is the 20% darker color. If you saturate the color by 10%, you get **37.3329, 0.3611, 0.2920**, and if you desaturate by 10%, it is **54.0616, 0.3294, 0.3139**.

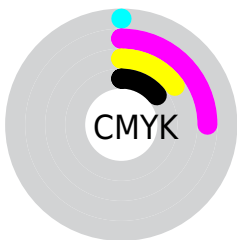
# Distribution



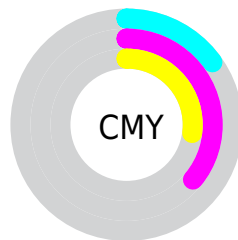
- Red (85%)
- Green (64%)
- Blue (73%)



- Red (85%)
- Yellow (64%)
- Blue (73%)



- Cyan (0%)
- Magenta (25%)
- Yellow (15%)
- Black (14%)




- Cyan (15%)
- Magenta (36%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0015, 0.3438, 0.3030 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 45.0015, 0.3438, 0.3030 by changing the saturation by 10% instead.





 45.0015, 0.3438,  
0.3030

 45.0015, 0.3438,  
0.3030


366.7796, 0.3283,  
0.3159

 31.4586, 0.3477,  
0.2998


 82.7227, 0.3382,  
0.3076

 20.9483, 0.3526,  
0.2958


 107.6697, 0.3360,  
0.3094

 13.0862, 0.3593,  
0.2904


137.1870, 0.3343,  
0.3109

 7.4880, 0.3685,  
0.2830

171.6588, 0.3327,  
0.3122

 3.7691, 0.3823,  
0.2722

211.4695, 0.3314,  
0.3133

 1.5452, 0.4049,  
0.2547

257.0037, 0.3302,

 0.3203, 0.4884,

0.3142

0.1790

308.6456, 0.3292,  
0.3151

0.0000, 0.0000,  
0.0000

45.0015, 0.3438,  
0.3030

45.0015, 0.3438,  
0.3030

37.3329, 0.3611,  
0.2920

54.0616, 0.3294,  
0.3139

30.9801, 0.3818,  
0.2813

64.5717, 0.3176,  
0.3243

25.8697, 0.4059,  
0.2718

76.5945, 0.3079,  
0.3340

21.9180, 0.4333,  
0.2646

90.1869, 0.2999,  
0.3430

19.0316, 0.4631,  
0.2610

93.3713, 0.2929,  
0.3334

■ 17.1017, 0.4937,  
0.2621

■ 93.6512, 0.2906,  
0.3289

■ 15.9959, 0.5229,  
0.2686

■ 15.6301, 0.5374,  
0.2734

# Harmonies

## Analogous

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



45.0015, 0.3102, 0.2835



45.0015, 0.3438, 0.3030



45.0015, 0.3696, 0.3291

# Triad

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



45.0015, 0.3438, 0.3030



45.0015, 0.3451, 0.3887



45.0015, 0.2504, 0.2962

# Complementary

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



45.0015, 0.3438, 0.3030



62.0393, 0.2895, 0.3567

# 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.



45.0015, 0.2586, 0.3248



45.0015, 0.3438, 0.3030



45.0015, 0.3124, 0.3810

# Square

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



45.0015, 0.3438, 0.3030



45.0015, 0.3699, 0.3787



45.0015, 0.2809, 0.3568



45.0015, 0.2576, 0.2786



# Rectangle

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



45.0015, 0.3438, 0.3030



45.0015, 0.3782, 0.3475



45.0015, 0.2809, 0.3568



45.0015, 0.2514, 0.3048

# Sweetspot

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



45.0035, 0.3438, 0.3030



88.4728, 0.3201, 0.3220



43.2815, 0.2962, 0.2639



18.7348, 0.3208, 0.3213



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.



45.0035, 0.3438, 0.3030



57.9372, 0.3529, 0.2970



45.7783, 0.3634, 0.3346



13.1391, 0.3228, 0.3195



9.3806, 0.5336, 0.2713



0.6245, 0.4909, 0.2478



# Inverse Universe

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



45.0035, 0.3438, 0.3030



57.9372, 0.3529, 0.2970



60.8122, 0.2759, 0.3234



13.1391, 0.3228, 0.3195



9.3806, 0.5336, 0.2713



0.6245, 0.4909, 0.2478



# Previews

## White Background



This preview shows how the Yxy color 45.0015, 0.3438, 0.3030 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

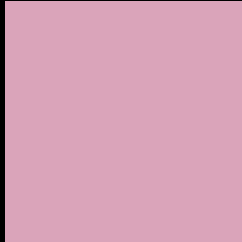
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.0015, 0.3438, 0.3030 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 45.0015, 0.3438, 0.3030**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.0015, 0.3438, 0.3030.



This preview shows how white text looks on a background with the Yxy color 45.0015, 0.3438, 0.3030.

# 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

45.0015, 0.3438, 0.3030

### Protanopia

45.2459, 0.2994, 0.3069

### Deuteranopia

45.2021, 0.3222, 0.3164



## Tritanopia

44.8763, 0.3501, 0.3136

# Trichromacy



## Original Color

45.0015, 0.3438, 0.3030

## Protanomaly

45.0304, 0.3147, 0.3051

## Deuteranomaly

44.9487, 0.3299, 0.3105

## Tritanomaly

44.9982, 0.3473, 0.3100

# Monochromacy



## Original Color

45.0015, 0.3438, 0.3030

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

46.2471, 0.3238, 0.3190

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.0015, 0.3438, 0.3030 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, 164, 186)` looks like.

```
.text, #text, p{  
    color:rgb(218, 164, 186)  
}
```

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, 164, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 164, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 45.0015, 0.3438, 0.3030 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, 164, 186) }
```

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

```
.border{ border-color:rgb(218, 164, 186) }
```

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

Here you see how a box with a 4 pixel rgb(218, 164, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 164, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 164, 186);  
box-shadow:4px 4px 4px 4px rgb(218, 164,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.0015, 0.3438, 0.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 164, 186) }
```

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

```
.background{ background-color: rgb(218,  
164, 186) }
```

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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