

# Converting Colors

$Y_{xy}(45.0192, 0.3317, 0.2960)$

Have a look what the booklet for  
Yxy(45.0192, 0.3317, 0.2960)  
contains.

<b>Yxy(45.1197, 0.3316, 0.2968)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(45.1197, 0.3316, 0.2968)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4A6C1
RGB	212, 166, 193
RGB Percent	83%, 65%, 76%
CMY	0.1686, 0.3490, 0.2432
CMYK	0.00, 0.22, 0.09, 0.17
HSL	325°, 35%, 74%
HSV	325°, 22%, 83%
XYZ	50.4100, 45.1197, 56.4908
YIQ	182.8320, 18.7490, 18.1490

# Conversions

## Conversions Part 2

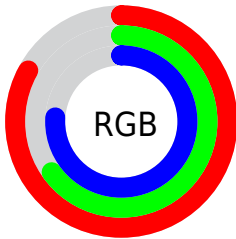
Format	Color
R <sub>Y</sub> B	212, 166, 193
Decimal	13936321
CIE Lab	72.97, 21.23, -7.31
CIE LCh	73, 22.456, 341.004
Yxy	45.1197, 0.3316, 0.2968
Android (android.graphics.Color)	4292126401 (0xFFD4A6C1)
YUV	182.8320, 5.0128, 25.5803
Hunter-Lab	67.1712, 16.4094, -2.8429

# Details

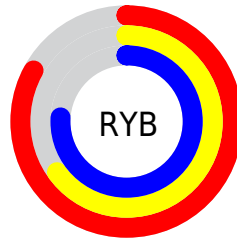
The Yxy color  $45.1197, 0.3316, 0.2968$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $58.6967, 0.2975, 0.3636$ , and the grayscale version is  $47.2218, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $79.8125, 0.3182, 0.3016$ , and  $21.0962, 0.3362, 0.2877$  is the 20% darker color. If you saturate the color by 10%, you get  $37.6588, 0.3430, 0.2813$ , and if you desaturate by 10%, it is  $53.8782, 0.3220, 0.3120$ .

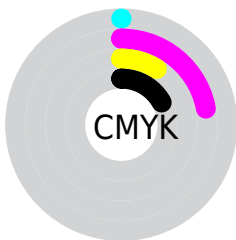
# Distribution



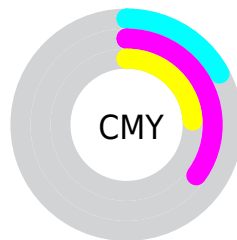
- Red (83%)
- Green (65%)
- Blue (76%)



- Red (83%)
- Yellow (65%)
- Blue (76%)



- Cyan (0%)
- Magenta (22%)
- Yellow (9%)
- Black (17%)




- Cyan (17%)
- Magenta (35%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1197, 0.3316, 0.2968 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 45.1197, 0.3316, 0.2968 by changing the saturation by 10% instead.





 45.1197, 0.3316,  
0.2968


 45.1197, 0.3316,  
0.2968


367.2581, 0.3223,  
0.3126

 31.5517, 0.3339,  
0.2930


 82.9000, 0.3283,  
0.3025

 21.0193, 0.3368,  
0.2881


 107.8811, 0.3270,  
0.3046

 13.1381, 0.3406,  
0.2817


137.4354, 0.3259,  
0.3064

 7.5237, 0.3458,  
0.2729

171.9472, 0.3250,  
0.3080

 3.7917, 0.3535,  
0.2602

211.8010, 0.3242,  
0.3094

 1.5578, 0.3657,  
0.2402

257.3812, 0.3235,

 0.3289, 0.4095,

0.3106

0.1621

309.0721, 0.3229,  
0.3116

0.0000, 0.0000,  
0.0000

45.1197, 0.3316,  
0.2968

45.1197, 0.3316,  
0.2968

37.6588, 0.3430,  
0.2813

53.8782, 0.3220,  
0.3120

31.4270, 0.3562,  
0.2660

63.9866, 0.3139,  
0.3266

26.3583, 0.3715,  
0.2518

75.5016, 0.3072,  
0.3403

22.3783, 0.3885,  
0.2397

88.4749, 0.3017,  
0.3531

19.4039, 0.4070,  
0.2309

91.6199, 0.2968,  
0.3479

■ 17.3397, 0.4262,  
0.2265

■ 92.1445, 0.2921,  
0.3387

■ 16.0718, 0.4455,  
0.2273

■ 92.6944, 0.2875,  
0.3296

■ 15.4599, 0.4612,  
0.2314

■ 92.7364, 0.2872,  
0.3289

# Harmonies

## Analogous

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



45.1197, 0.2993, 0.2813



45.1197, 0.3316, 0.2968



45.1197, 0.3598, 0.3201

# Triad

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



45.1197, 0.3316, 0.2968



45.1197, 0.3531, 0.3842



45.1197, 0.2543, 0.3064

# Complementary

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



45.1197, 0.3316, 0.2968



58.6967, 0.2975, 0.3636

# 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.



45.1197, 0.2672, 0.3357



45.1197, 0.3316, 0.2968



45.1197, 0.3236, 0.3829

# Square

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



45.1197, 0.3316, 0.2968



45.1197, 0.3722, 0.3701



45.1197, 0.2922, 0.3647



45.1197, 0.2561, 0.2854



# Rectangle

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



45.1197, 0.3316, 0.2968



45.1197, 0.3717, 0.3377



45.1197, 0.2922, 0.3647



45.1197, 0.2570, 0.3156

# Sweetspot

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



45.1217, 0.3316, 0.2968



88.6689, 0.3181, 0.3189



42.2696, 0.2915, 0.2715



18.7802, 0.3186, 0.3180



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.



45.1217, 0.3316, 0.2968



63.1045, 0.3366, 0.2897



44.1978, 0.3521, 0.3235



12.5418, 0.3200, 0.3154



9.5650, 0.4586, 0.2300



0.5932, 0.4285, 0.2134



# Inverse Universe

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



45.1217, 0.3316, 0.2968



63.1045, 0.3366, 0.2897



59.7172, 0.2835, 0.3347



12.5418, 0.3200, 0.3154



9.5650, 0.4586, 0.2300

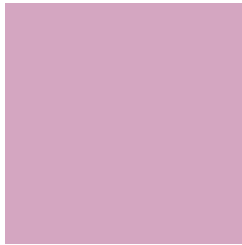


0.5932, 0.4285, 0.2134



# Previews

## White Background



This preview shows how the Yxy color 45.1197, 0.3316, 0.2968 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

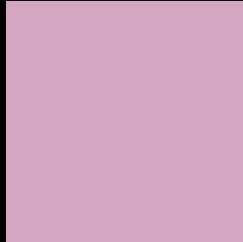
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.1197, 0.3316, 0.2968 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

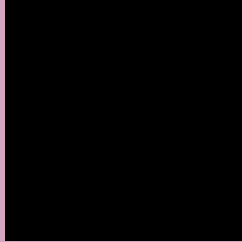
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.1197, 0.3316, 0.2968**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.1197, 0.3316, 0.2968.



This preview shows how white text looks on a background with the Yxy color 45.1197, 0.3316, 0.2968.

# 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

45.1197, 0.3316, 0.2968

### Protanopia

45.2879, 0.2932, 0.2993

### Deuteranopia

45.1101, 0.3137, 0.3075



## Tritanopia

45.0431, 0.3402, 0.3132

# Trichromacy



## Original Color

45.1197, 0.3316, 0.2968

## Protanomaly

45.1681, 0.3063, 0.2988

## Deuteranomaly

45.0737, 0.3202, 0.3030

## Tritanomaly

44.9891, 0.3377, 0.3073

# Monochromacy



## Original Color

45.1197, 0.3316, 0.2968

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

46.5015, 0.3194, 0.3164

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.1197, 0.3316, 0.2968 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(212, 166, 193)` looks like.

```
.text, #text, p{  
    color:rgb(212, 166, 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(212, 166, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 166, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 45.1197, 0.3316, 0.2968 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(212, 166, 193) }
```

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

```
.border{ border-color:rgb(212, 166, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 166, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 166, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 166, 193);  
box-shadow:4px 4px 4px 4px rgb(212, 166,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.1197, 0.3316, 0.2968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 166, 193) }
```

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

```
.background{ background-color: rgb(212,  
166, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor