

# Converting Colors

$Yxy(45.5971, 0.3380, 0.2899)$

Have a look what the booklet for  
Yxy(45.5971, 0.3380, 0.2899)  
contains.

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# Color

**Yxy(45.7552, 0.3376, 0.2898)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DEA3C5
RGB	222, 163, 197
RGB Percent	87%, 64%, 77%
CMY	0.1293, 0.3608, 0.2276
CMYK	0.00, 0.27, 0.11, 0.13
HSL	325°, 47%, 75%
HSV	325°, 27%, 87%
XYZ	53.3021, 45.7552, 58.8281
YIQ	184.5170, 24.2500, 23.0820

# Conversions

## Conversions Part 2

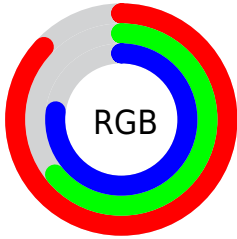
Format	Color
<a href="#">RYB</a>	<a href="#">222, 163, 197</a>
Decimal	<a href="#">14590917</a>
CIELab	<a href="#">73.39, 27.04, -8.78</a>
CIELCh	<a href="#">73, 28.428, 342.011</a>
Yxy	<a href="#">45.7552, 0.3376, 0.2898</a>
Android (android.graphics.Color)	<a href="#">4292780997 (0xFFDEA3C5)</a>
YUV	<a href="#">184.5170, 6.1541, 32.8726</a>
Hunter-Lab	<a href="#">67.6426, 22.2828, -4.2141</a>

# Details

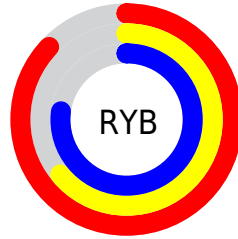
The Yxy color **45.7552, 0.3376, 0.2898** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **63.6750, 0.2938, 0.3719**, and the grayscale version is **48.1900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5586, 0.3151, 0.2940**, and **21.4590, 0.3444, 0.2803** is the 20% darker color. If you saturate the color by 10%, you get **38.1345, 0.3503, 0.2745**, and if you desaturate by 10%, it is **54.7910, 0.3268, 0.3050**.

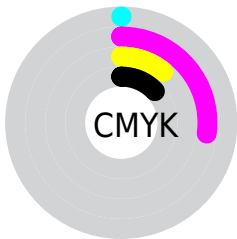
# Distribution



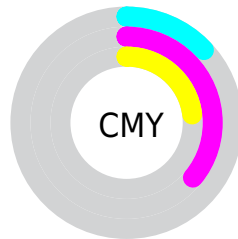
- Red (87%)
- Green (64%)
- Blue (77%)



- Red (87%)
- Yellow (64%)
- Blue (77%)



- Cyan (0%)
- Magenta (27%)
- Yellow (11%)
- Black (13%)




- Cyan (13%)
- Magenta (36%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7552, 0.3376, 0.2898 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 45.7552, 0.3376, 0.2898 by changing the saturation by 10% instead.





 45.7552, 0.3376,  
0.2898


 45.7552, 0.3376,  
0.2898


369.8236, 0.3254,  
0.3088

 32.0527, 0.3406,  
0.2852


 83.8525, 0.3332,  
0.2966

 21.4017, 0.3443,  
0.2794


 109.0161, 0.3316,  
0.2992

 13.4180, 0.3492,  
0.2719

138.7688, 0.3302,  
0.3014

 7.7170, 0.3560,  
0.2616

173.4951, 0.3290,  
0.3033

 3.9144, 0.3657,  
0.2470

213.5794, 0.3279,  
0.3049

 1.6258, 0.3810,  
0.2244

259.4059, 0.3270,

 0.3749, 0.4239,

0.3064

0.1545

311.3592, 0.3262,  
0.3077

0.0000, 0.0000,  
0.0000

45.7552, 0.3376,  
0.2898

45.7552, 0.3376,  
0.2898

38.1345, 0.3503,  
0.2745

54.7910, 0.3268,  
0.3050

31.8500, 0.3650,  
0.2599

65.3034, 0.3178,  
0.3197

26.8241, 0.3817,  
0.2468

77.3575, 0.3103,  
0.3337

22.9691, 0.4001,  
0.2364

91.0128, 0.3041,  
0.3467

20.1855, 0.4198,  
0.2299

93.5905, 0.2988,  
0.3401

■ 18.3573, 0.4399,  
0.2284

■ 94.1780, 0.2937,  
0.3304

■ 17.3369, 0.4596,  
0.2322

■ 94.2735, 0.2929,  
0.3289

■ 17.0864, 0.4662,  
0.2342

# Harmonies

## Analogous

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



45.7552, 0.2969, 0.2703



45.7552, 0.3376, 0.2898



45.7552, 0.3731, 0.3185

# Triad

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



45.7552, 0.3376, 0.2898



45.7552, 0.3620, 0.3989



45.7552, 0.2398, 0.2988

# Complementary

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



45.7552, 0.3376, 0.2898



63.6750, 0.2938, 0.3719

# 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.



45.7552, 0.2549, 0.3358



45.7552, 0.3376, 0.2898



45.7552, 0.3245, 0.3974

# Square

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



45.7552, 0.3376, 0.2898



45.7552, 0.3871, 0.3806



45.7552, 0.2854, 0.3735



45.7552, 0.2427, 0.2736



# Rectangle

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



45.7552, 0.3376, 0.2898



45.7552, 0.3879, 0.3401



45.7552, 0.2854, 0.3735



45.7552, 0.2429, 0.3102

# Sweetspot

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



45.7573, 0.3376, 0.2898



87.1227, 0.3191, 0.3176



42.1088, 0.2864, 0.2571



18.1624, 0.3204, 0.3154



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.



45.7573, 0.3376, 0.2898



56.4875, 0.3445, 0.2811



44.5514, 0.3650, 0.3233



13.8321, 0.3202, 0.3156



10.1692, 0.4635, 0.2327



0.7227, 0.4355, 0.2173



# Inverse Universe

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



45.7573, 0.3376, 0.2898



56.4875, 0.3445, 0.2811



65.0572, 0.2768, 0.3349



13.8321, 0.3202, 0.3156



10.1692, 0.4635, 0.2327



0.7227, 0.4355, 0.2173



# Previews

## White Background



This preview shows how the Yxy color 45.7552, 0.3376, 0.2898 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 45.7552, 0.3376, 0.2898 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

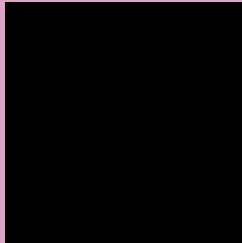
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.7552, 0.3376, 0.2898**

## Background



This preview shows how black text looks on a background with the Yxy color 45.7552, 0.3376, 0.2898.



This preview shows how white text looks on a background with the Yxy color 45.7552, 0.3376, 0.2898.

# 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

45.7552, 0.3376, 0.2898

### Protanopia

45.9753, 0.2889, 0.2932

### Deuteranopia

45.8065, 0.3113, 0.3039



## Tritanopia

45.7428, 0.3518, 0.3137

# Trichromacy



**Original Color**

45.7552, 0.3376, 0.2898

**Protanomaly**

45.5364, 0.3058, 0.2919

**Deuteranomaly**

45.8079, 0.3204, 0.2985

**Tritanomaly**

45.8276, 0.3464, 0.3045

# Monochromacy



**Original Color**

45.7552, 0.3376, 0.2898

**Achromatopsia**

48.5150, 0.3127, 0.3290

**Achromatomaly**

47.1242, 0.3213, 0.3141

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.7552, 0.3376, 0.2898 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(222, 163, 197)` looks like.

```
.text, #text, p{  
    color:rgb(222, 163, 197)  
}
```

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(222, 163, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 163, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 45.7552, 0.3376, 0.2898 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(222, 163, 197) }
```

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

```
.border{ border-color:rgb(222, 163, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 163, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 163, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 163, 197);  
box-shadow:4px 4px 4px 4px rgb(222, 163,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.7552, 0.3376, 0.2898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 163, 197) }
```

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

```
.background{ background-color: rgb(222,  
163, 197) }
```

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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