

# Converting Colors

Yxy(47.2839, 0.3369, 0.2909)

Have a look what the booklet for  
Yxy(47.2839, 0.3369, 0.2909)  
contains.

<b>Yxy(47.2433, 0.3372, 0.2913)</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(47.2433, 0.3372, 0.2913)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E0A6C7
RGB	224, 166, 199
RGB Percent	88%, 65%, 78%
CMY	0.1215, 0.3490, 0.2197
CMYK	0.00, 0.26, 0.11, 0.12
HSL	326°, 48%, 76%
HSV	326°, 26%, 88%
XYZ	54.6874, 47.2433, 60.2502
YIQ	187.1040, 23.9750, 22.5590

# Conversions

## Conversions Part 2

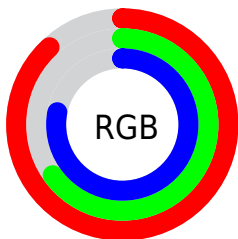
Format	Color
R <sub>Y</sub> B	224, 166, 199
Decimal	14722759
CIE Lab	74.35, 26.45, -8.43
CIE LCh	74, 27.758, 342.323
Yxy	47.2433, 0.3372, 0.2913
Android (android.graphics.Color)	4292912839 (0xFFE0A6C7)
YUV	187.1040, 5.8647, 32.3578
Hunter-Lab	68.7338, 21.7378, -3.8584

# Details

The Yxy color  $47.2433, 0.3372, 0.2913$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $65.1940, 0.2940, 0.3701$ , and the grayscale version is  $49.7131, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $80.1929, 0.3143, 0.2960$ , and  $22.4038, 0.3437, 0.2823$  is the 20% darker color. If you saturate the color by 10%, you get  $39.3628, 0.3500, 0.2762$ , and if you desaturate by 10%, it is  $56.5752, 0.3264, 0.3063$ .

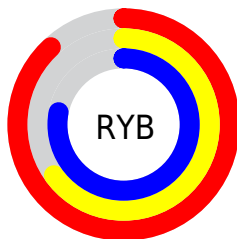
# Distribution



Red (88%)

Green (65%)

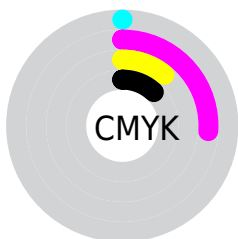
Blue (78%)



Red (88%)

Yellow (65%)

Blue (78%)

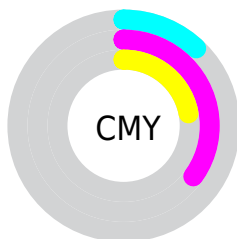


Cyan (0%)

Magenta (26%)

Yellow (11%)

Black (12%)



Cyan (12%)

Magenta (35%)


Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2433, 0.3372, 0.2913 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 47.2433, 0.3372, 0.2913 by changing the saturation by 10% instead.





 47.2433, 0.3372,  
0.2913

 47.2433, 0.3372,  
0.2913


375.7848, 0.3253,  
0.3095

 33.2280, 0.3401,  
0.2869


 86.0767, 0.3329,  
0.2978

 22.3012, 0.3437,  
0.2814


 111.6636, 0.3313,  
0.3003

 14.0784, 0.3485,  
0.2742


141.8765, 0.3299,  
0.3024

 8.1752, 0.3551,  
0.2646

177.0998, 0.3287,  
0.3042

 4.2073, 0.3645,  
0.2508

217.7179, 0.3277,  
0.3058

 1.7902, 0.3791,  
0.2296

264.1152, 0.3268,

 0.4810, 0.4138,

0.3072

0.1760

316.6760, 0.3260,  
0.3084

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

47.2433, 0.3372,  
0.2913

47.2433, 0.3372,  
0.2913

39.3628, 0.3500,  
0.2762

56.5752, 0.3264,  
0.3063

32.8532, 0.3648,  
0.2616

67.4208, 0.3173,  
0.3208

27.6359, 0.3817,  
0.2486

79.8465, 0.3098,  
0.3345

23.6216, 0.4005,  
0.2381

93.5239, 0.3035,  
0.3467

■ 20.7097, 0.4205,  
0.2315

■ 94.1068, 0.2982,  
0.3367

■ 18.7828, 0.4411,  
0.2298

■ 94.5908, 0.2941,  
0.3289

■ 17.6959, 0.4613,  
0.2335

■ 17.3908, 0.4694,  
0.2360

# Harmonies

## Analogous

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



47.2433, 0.2979, 0.2723



47.2433, 0.3372, 0.2913



47.2433, 0.3713, 0.3192

# Triad

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



47.2433, 0.3372, 0.2913



47.2433, 0.3601, 0.3966



47.2433, 0.2421, 0.2996

# Complementary

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



47.2433, 0.3372, 0.2913



65.1940, 0.2940, 0.3701

# 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.



47.2433, 0.2566, 0.3352



47.2433, 0.3372, 0.2913



47.2433, 0.3238, 0.3948

# Square

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



47.2433, 0.3372, 0.2913



47.2433, 0.3844, 0.3793



47.2433, 0.2860, 0.3716



47.2433, 0.2450, 0.2753



# Rectangle

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



47.2433, 0.3372, 0.2913



47.2433, 0.3854, 0.3402



47.2433, 0.2860, 0.3716



47.2433, 0.2450, 0.3106

# Sweetspot

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



47.2454, 0.3372, 0.2913



87.1135, 0.3192, 0.3177



43.6254, 0.2872, 0.2590



18.1601, 0.3205, 0.3156



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.



47.2454, 0.3372, 0.2913



57.5045, 0.3437, 0.2832



46.0573, 0.3632, 0.3235



13.8304, 0.3204, 0.3158



10.1440, 0.4665, 0.2344



0.7210, 0.4380, 0.2186



# Inverse Universe

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



47.2454, 0.3372, 0.2913



57.5045, 0.3437, 0.2832



66.5544, 0.2776, 0.3347



13.8304, 0.3204, 0.3158



10.1440, 0.4665, 0.2344

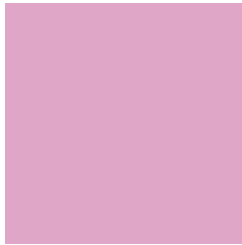


0.7210, 0.4380, 0.2186



# Previews

## White Background



This preview shows how the Yxy color 47.2433, 0.3372, 0.2913 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

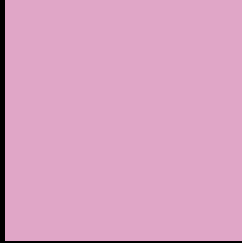
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.2433, 0.3372, 0.2913 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

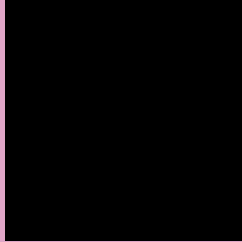
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.2433, 0.3372, 0.2913**

## Background



This preview shows how black text looks on a background with the Yxy color 47.2433, 0.3372, 0.2913.



This preview shows how white text looks on a background with the Yxy color 47.2433, 0.3372, 0.2913.

# 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

47.2433, 0.3372, 0.2913

### Protanopia

47.6431, 0.2899, 0.2950

### Deuteranopia

47.4741, 0.3121, 0.3055



## Tritanopia

47.2829, 0.3502, 0.3139

# Trichromacy



## Original Color

47.2433, 0.3372, 0.2913

## Protanomaly

47.0605, 0.3059, 0.2935

## Deuteranomaly

47.4711, 0.3211, 0.3001

## Tritanomaly

47.3241, 0.3458, 0.3059

# Monochromacy



## Original Color

47.2433, 0.3372, 0.2913

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

48.2811, 0.3212, 0.3143

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.2433, 0.3372, 0.2913 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(224, 166, 199)` looks like.

```
.text, #text, p{  
    color:rgb(224, 166, 199)  
}
```

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(224, 166, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 166, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 47.2433, 0.3372, 0.2913 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(224, 166, 199) }
```

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

```
.border{ border-color:rgb(224, 166, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 166, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 166, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 166, 199);  
box-shadow:4px 4px 4px 4px rgb(224, 166,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.2433, 0.3372, 0.2913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 166, 199) }
```

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

```
.background{ background-color: rgb(224,  
166, 199) }
```

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