

# Converting Colors

$Y_{xy}(24.9661, 0.3874, 0.2282)$

Have a look what the booklet for  
Yxy(24.9661, 0.3874, 0.2282)  
contains.

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# Color

**Yxy(24.9829, 0.3878, 0.2279)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E54DAD
RGB	229, 77, 173
RGB Percent	90%, 30%, 68%
CMY	0.1020, 0.6980, 0.3215
CMYK	0.00, 0.66, 0.24, 0.10
HSL	322°, 75%, 60%
HSV	322°, 66%, 90%
XYZ	42.5115, 24.9829, 42.1278
YIQ	133.3920, 59.7760, 62.0800

# Conversions

## Conversions Part 2

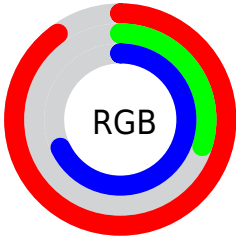
Format	Color
R <sub>Y</sub> B	229, 77, 173
Decimal	15027629
CIE Lab	57.06, 67.47, -19.77
CIE LCh	57, 70.307, 343.666
Yxy	24.9829, 0.3878, 0.2279
Android (android.graphics.Color)	4293217709 (0xFFE54DAD)
YUV	133.3920, 19.5267, 83.8482
Hunter-Lab	49.9829, 64.3479, -14.9842

# Details

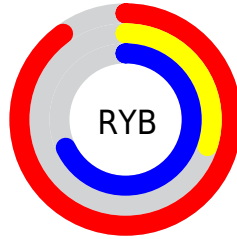
The Yxy color **24.9829, 0.3878, 0.2279** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **59.3097, 0.2794, 0.4693**, and the grayscale version is **23.5179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2451, 0.3414, 0.2359**, and **9.9265, 0.4095, 0.2030** is the 20% darker color. If you saturate the color by 10%, you get **22.0076, 0.4042, 0.2203**, and if you desaturate by 10%, it is **29.1087, 0.3723, 0.2395**.

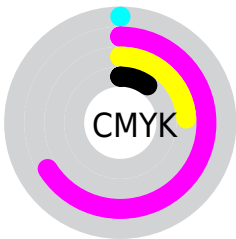
# Distribution



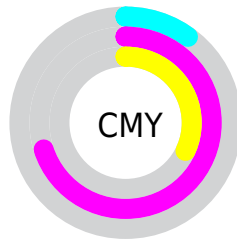
- Red (90%)
- Green (30%)
- Blue (68%)



- Red (90%)
- Yellow (30%)
- Blue (68%)



- Cyan (0%)
- Magenta (66%)
- Yellow (24%)
- Black (10%)




- Cyan (10%)
- Magenta (70%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.9829, 0.3878, 0.2279 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 24.9829, 0.3878, 0.2279 by changing the saturation by 10% instead.





 24.9829, 0.3878,  
0.2279


 24.9829, 0.3878,  
0.2279


277.7528, 0.3489,  
0.2788


 16.0643, 0.3979,  
0.2152

 51.6295, 0.3734,  
0.2464


 9.5697, 0.4110,  
0.1991


 70.1263, 0.3680,  
0.2534

 5.1146, 0.4287,  
0.1779


 92.5846, 0.3636,  
0.2592

 2.3147, 0.4538,  
0.1492

 119.3888, 0.3598,  
0.2643

 0.7814, 0.4916,  
0.1088

150.9233, 0.3565,  
0.2687

 0.0000, 0.5834,  
0.0000

187.5726, 0.3536,

 0.0000, 1.0000,

0.2725

0.0000

229.7209, 0.3511,  
0.2758

0.0000, 0.0000,  
0.0000

24.9829, 0.3878,  
0.2279

24.9829, 0.3878,  
0.2279

22.0076, 0.4042,  
0.2203

29.1087, 0.3723,  
0.2395

20.0542, 0.4210,  
0.2175

34.4879, 0.3580,  
0.2538


18.9676, 0.4373,  
0.2199

41.2164, 0.3454,  
0.2698


18.6921, 0.4432,  
0.2215


49.3795, 0.3344,  
0.2864

59.0554, 0.3250,  
0.3030

 70.3168, 0.3171,  
0.3191

 83.2314, 0.3104,  
0.3344

 94.4986, 0.3050,  
0.3436

 95.0130, 0.3003,  
0.3350

# Harmonies

## Analogous

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



24.9829, 0.2670, 0.1827



24.9829, 0.3878, 0.2279



24.9829, 0.5001, 0.2919

# Triad

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



24.9829, 0.3878, 0.2279



24.9829, 0.4225, 0.5230



24.9829, 0.1258, 0.2244

# Complementary

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



24.9829, 0.3878, 0.2279



59.3097, 0.2794, 0.4693

# 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.



24.9829, 0.1504, 0.3295



24.9829, 0.3878, 0.2279



24.9829, 0.3185, 0.5537

# Square

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



24.9829, 0.3878, 0.2279



24.9829, 0.5071, 0.4444



24.9829, 0.2182, 0.4732



24.9829, 0.1367, 0.1747



# Rectangle

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



24.9829, 0.3878, 0.2279



24.9829, 0.5384, 0.3397



24.9829, 0.2182, 0.4732



24.9829, 0.1296, 0.2527

# Sweetspot

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



24.9842, 0.3878, 0.2279



70.5145, 0.3284, 0.2969



15.9303, 0.2236, 0.1348



14.3478, 0.3310, 0.2921



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.



24.9842, 0.3878, 0.2279



26.9177, 0.4111, 0.2185



22.8343, 0.5032, 0.3094



14.5204, 0.3194, 0.3143



10.7111, 0.4408, 0.2202



0.8093, 0.4187, 0.2080



# Inverse Universe

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



24.9842, 0.3878, 0.2279



26.9177, 0.4111, 0.2185



62.2070, 0.2436, 0.3561



14.5204, 0.3194, 0.3143



10.7111, 0.4408, 0.2202



0.8093, 0.4187, 0.2080



# Previews

## White Background



This preview shows how the Yxy color 24.9829, 0.3878, 0.2279 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

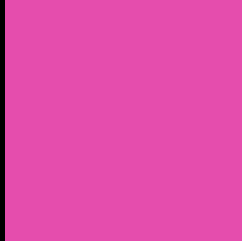
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 24.9829, 0.3878, 0.2279 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

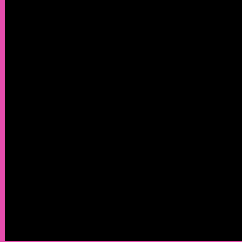
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.9829, 0.3878, 0.2279**

## Background



This preview shows how black text looks on a background with the Yxy color 24.9829, 0.3878, 0.2279.



This preview shows how white text looks on a background with the Yxy color 24.9829, 0.3878, 0.2279.

# 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

24.9829, 0.3878, 0.2279

### Protanopia

25.4116, 0.2242, 0.2101

### Deuteranopia

25.0852, 0.2854, 0.2793



## Tritanopia

25.0130, 0.4777, 0.3229

# Trichromacy



## Original Color

24.9829, 0.3878, 0.2279



## Protanomaly

22.7841, 0.2667, 0.2081



## Deuteranomaly

23.1835, 0.3188, 0.2501



## Tritanomaly

24.7108, 0.4459, 0.2860

# Monochromacy



## Original Color

24.9829, 0.3878, 0.2279



## Achromatopsia

23.4551, 0.3127, 0.3290



## Achromatomaly

22.2732, 0.3402, 0.2765

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.9829, 0.3878, 0.2279 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(229, 77, 173)` looks like.

```
.text, #text, p{  
    color:rgb(229, 77, 173)  
}
```

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(229, 77, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 77, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 24.9829, 0.3878, 0.2279 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(229, 77, 173) }
```

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

```
.border{ border-color:rgb(229, 77, 173) }
```

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

Here you see how a box with a 4 pixel rgb(229, 77, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 77, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 77, 173);  
box-shadow:4px 4px 4px 4px rgb(229, 77,  
173) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.9829, 0.3878, 0.2279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 77, 173) }
```

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

```
.background{ background-color: rgb(229, 77,  
173) }
```

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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