

# Converting Colors

$Y_{xy}(26.1973, 0.3932, 0.2342)$

Have a look what the booklet for  
Yxy(26.1973, 0.3932, 0.2342)  
contains.

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# Color

**Yxy(26.1871, 0.3930, 0.2339)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E951AC
RGB	233, 81, 172
RGB Percent	91%, 32%, 67%
CMY	0.0862, 0.6824, 0.3254
CMYK	0.00, 0.65, 0.26, 0.09
HSL	324°, 78%, 62%
HSV	324°, 65%, 91%
XYZ	43.9997, 26.1871, 41.7717
YIQ	136.8220, 61.3810, 60.5250

# Conversions

## Conversions Part 2

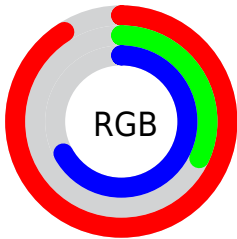
Format	Color
R <sub>Y</sub> B	233, 81, 172
Decimal	15290796
CIE Lab	58.21, 66.90, -17.37
CIE LCh	58, 69.118, 345.446
Yxy	26.1871, 0.3930, 0.2339
Android (android.graphics.Color)	4293480876 (0xFFE951AC)
YUV	136.8220, 17.3428, 84.3481
Hunter-Lab	51.1733, 63.9240, -12.5759

# Details

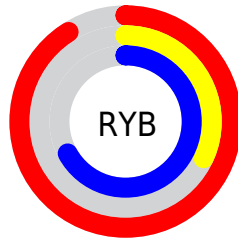
The Yxy color **26.1871, 0.3930, 0.2339** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **61.9922, 0.2772, 0.4592**, and the grayscale version is **24.8596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2713, 0.3429, 0.2413**, and **10.2403, 0.4164, 0.2068** is the 20% darker color. If you saturate the color by 10%, you get **22.9535, 0.4113, 0.2264**, and if you desaturate by 10%, it is **30.6362, 0.3759, 0.2452**.

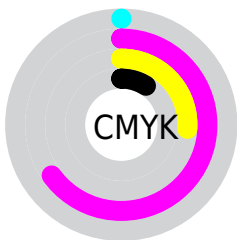
# Distribution



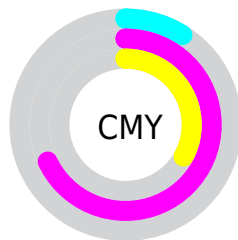
- Red (91%)
- Green (32%)
- Blue (67%)



- Red (91%)
- Yellow (32%)
- Blue (67%)



- Cyan (0%)
- Magenta (65%)
- Yellow (26%)
- Black (9%)




- Cyan (9%)
- Magenta (68%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.1871, 0.3930, 0.2339 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 26.1871, 0.3930, 0.2339 by changing the saturation by 10% instead.




 26.1871, 0.3930,  
0.2339


 26.1871, 0.3930,  
0.2339


283.6993, 0.3513,  
0.2818


 16.9637, 0.4039,  
0.2219


 53.5766, 0.3775,  
0.2513


 10.2086, 0.4181,  
0.2067


 72.5115, 0.3718,  
0.2579

 5.5375, 0.4373,  
0.1866


 95.4523, 0.3670,  
0.2634

 2.5659, 0.4648,  
0.1592

 122.7835, 0.3629,  
0.2682

 0.9096, 0.5065,  
0.1206

154.8894, 0.3594,  
0.2723

 0.0000, 0.6157,  
0.0000

192.1544, 0.3563,

 0.0000, 1.0000,

0.2759

0.0000

234.9629, 0.3536,  
0.2790

■ 0.0000, 0.0000,  
0.0000

■ 26.1871, 0.3930,  
0.2339

■ 26.1871, 0.3930,  
0.2339

■ 22.9535, 0.4113,  
0.2264

■ 30.6362, 0.3759,  
0.2452

■ 20.8034, 0.4300,  
0.2238

■ 36.4067, 0.3604,  
0.2590

■ 19.5810, 0.4484,  
0.2265

■ 43.5974, 0.3467,  
0.2744


■ 19.2069, 0.4570,  
0.2291

■ 52.2967, 0.3350,  
0.2903

■ 62.5856, 0.3250,  
0.3061

 74.5394, 0.3166,  
0.3213

 88.2283, 0.3095,  
0.3357

 95.5517, 0.3039,  
0.3371

 96.0676, 0.2994,  
0.3290

# Harmonies

## Analogous

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



26.1871, 0.2748, 0.1881



26.1871, 0.3930, 0.2339



26.1871, 0.4990, 0.2976

# Triad

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



26.1871, 0.3930, 0.2339



26.1871, 0.4154, 0.5220



26.1871, 0.1298, 0.2236

# Complementary

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



26.1871, 0.3930, 0.2339



61.9922, 0.2772, 0.4592

# 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.



26.1871, 0.1521, 0.3224



26.1871, 0.3930, 0.2339



26.1871, 0.3134, 0.5446

# Square

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



26.1871, 0.3930, 0.2339



26.1871, 0.4990, 0.4480



26.1871, 0.2164, 0.4602



26.1871, 0.1423, 0.1770



# Rectangle

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



26.1871, 0.3930, 0.2339



26.1871, 0.5333, 0.3450



26.1871, 0.2164, 0.4602



26.1871, 0.1330, 0.2501

# Sweetspot

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



26.1884, 0.3930, 0.2339



70.4171, 0.3296, 0.2985



17.4992, 0.2297, 0.1397



14.3243, 0.3325, 0.2940



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.



26.1884, 0.3930, 0.2339



27.2006, 0.4171, 0.2251



24.0573, 0.5059, 0.3147



15.2055, 0.3199, 0.3150



10.9211, 0.4543, 0.2276



0.8765, 0.4308, 0.2147



# Inverse Universe

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



26.1884, 0.3930, 0.2339



27.2006, 0.4171, 0.2251



65.0920, 0.2420, 0.3487



15.2055, 0.3199, 0.3150



10.9211, 0.4543, 0.2276



0.8765, 0.4308, 0.2147



# Previews

## White Background



This preview shows how the Yxy color 26.1871, 0.3930, 0.2339 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

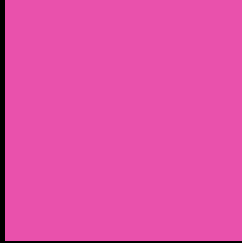
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.1871, 0.3930, 0.2339 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

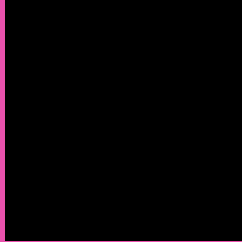
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.1871, 0.3930, 0.2339**

## Background



This preview shows how black text looks on a background with the Yxy color 26.1871, 0.3930, 0.2339.



This preview shows how white text looks on a background with the Yxy color 26.1871, 0.3930, 0.2339.

# 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

26.1871, 0.3930, 0.2339

### Protanopia

26.6094, 0.2308, 0.2180

### Deuteranopia

26.4113, 0.2926, 0.2865



## Tritanopia

26.0862, 0.4762, 0.3219

# Trichromacy



## Original Color

26.1871, 0.3930, 0.2339



## Protanomaly

24.0142, 0.2739, 0.2151



## Deuteranomaly

24.7427, 0.3265, 0.2586



## Tritanomaly

25.8973, 0.4473, 0.2889

# Monochromacy



## Original Color

26.1871, 0.3930, 0.2339



## Achromatopsia

25.0158, 0.3127, 0.3290



## Achromatomaly

23.6952, 0.3418, 0.2805

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.1871, 0.3930, 0.2339 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(233, 81, 172)` looks like.

```
.text, #text, p{  
    color:rgb(233, 81, 172)  
}
```

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(233, 81, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 81, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 26.1871, 0.3930, 0.2339 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(233, 81, 172) }
```

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

```
.border{ border-color:rgb(233, 81, 172) }
```

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

Here you see how a box with a 4 pixel rgb(233, 81, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 81, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 81, 172);  
box-shadow:4px 4px 4px 4px rgb(233, 81,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.1871, 0.3930, 0.2339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 81, 172) }
```

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

```
.background{ background-color: rgb(233, 81,  
172) }
```

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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