

# Converting Colors

$Y_{xy}(25.9540, 0.3887, 0.2322)$

Have a look what the booklet for  
Yxy(25.9540, 0.3887, 0.2322)  
contains.

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**Color**

**Yxy(26.0406, 0.3891, 0.2329)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E752AD
RGB	231, 82, 173
RGB Percent	91%, 32%, 68%
CMY	0.0943, 0.6782, 0.3216
CMYK	0.00, 0.64, 0.25, 0.09
HSL	323°, 76%, 61%
HSV	323°, 64%, 91%
XYZ	43.5054, 26.0406, 42.2643
YIQ	136.9250, 59.5930, 59.8890

# Conversions

## Conversions Part 2

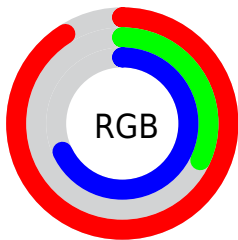
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 82, 173
Decimal	15159981
CIE <sub>Lab</sub>	58.08, 66.04, -18.18
CIE <sub>LCh</sub>	58, 68.499, 344.612
Yxy	26.0406, 0.3891, 0.2329
Android (android.graphics.Color)	4293350061 (0xFFE752AD)
YUV	136.9250, 17.7850, 82.5038
Hunter-Lab	51.0300, 62.8768, -13.3844

# Details

The Yxy color **26.0406, 0.3891, 0.2329** 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 **60.8211, 0.2782, 0.4600**, and the grayscale version is **24.9080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6733, 0.3409, 0.2404**, and **10.1945, 0.4125, 0.2053** is the 20% darker color. If you saturate the color by 10%, you get **22.7864, 0.4066, 0.2248**, and if you desaturate by 10%, it is **30.4928, 0.3727, 0.2447**.

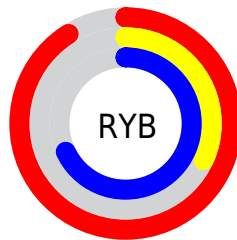
# Distribution



Red (91%)

Green (32%)

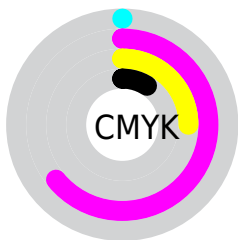
Blue (68%)



Red (91%)

Yellow (32%)

Blue (68%)

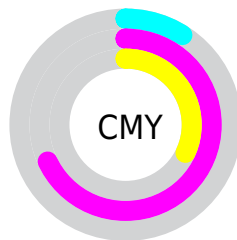


Cyan (0%)

Magenta (64%)

Yellow (25%)

Black (9%)



Cyan (9%)

Magenta (68%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.0406, 0.3891, 0.2329 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 26.0406, 0.3891, 0.2329 by changing the saturation by 10% instead.





 26.0406, 0.3891,  
0.2329


 26.0406, 0.3891,  
0.2329


282.9813, 0.3495,  
0.2813


 16.8540, 0.3994,  
0.2209


 53.3404, 0.3744,  
0.2505

 10.1305, 0.4128,  
0.2055


 72.2225, 0.3690,  
0.2571

 5.4855, 0.4309,  
0.1852


 95.1051, 0.3644,  
0.2627

 2.5349, 0.4567,  
0.1577

 122.3728, 0.3605,  
0.2675

 0.8940, 0.4957,  
0.1190

154.4098, 0.3572,  
0.2716

 0.0000, 0.5978,  
0.0000

191.6007, 0.3543,


 0.0000, 1.0000,


0.2753

0.0000


234.3297, 0.3517,  
0.2785


 0.0000, 0.0000,  
0.0000

 26.0406, 0.3891,  
0.2329

 26.0406, 0.3891,  
0.2329


 22.7864, 0.4066,  
0.2248


 30.4928, 0.3727,  
0.2447


 20.6028, 0.4246,  
0.2215


 36.2453, 0.3579,  
0.2589

 19.3404, 0.4423,  
0.2235

 43.3943, 0.3448,  
0.2746

 18.9072, 0.4519,  
0.2263

 52.0252, 0.3336,  
0.2908

 62.2170, 0.3240,  
0.3069

74.0428, 0.3159,  
0.3223

87.5712, 0.3091,  
0.3370

95.0905, 0.3037,  
0.3391

95.6529, 0.2987,  
0.3300

# Harmonies

## Analogous

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



26.0406, 0.2721, 0.1879



26.0406, 0.3891, 0.2329



26.0406, 0.4955, 0.2961

# Triad

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



26.0406, 0.3891, 0.2329



26.0406, 0.4177, 0.5193



26.0406, 0.1308, 0.2263

# Complementary

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



26.0406, 0.3891, 0.2329



60.8211, 0.2782, 0.4600

# 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.



26.0406, 0.1542, 0.3261



26.0406, 0.3891, 0.2329



26.0406, 0.3166, 0.5436

# Square

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



26.0406, 0.3891, 0.2329



26.0406, 0.4999, 0.4455



26.0406, 0.2194, 0.4627



26.0406, 0.1424, 0.1786



# Rectangle

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



26.0406, 0.3891, 0.2329



26.0406, 0.5312, 0.3432



26.0406, 0.2194, 0.4627



26.0406, 0.1344, 0.2533

# Sweetspot

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



26.0419, 0.3891, 0.2329



71.7321, 0.3282, 0.2995



17.3104, 0.2288, 0.1409



14.5816, 0.3310, 0.2949



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.



26.0419, 0.3891, 0.2329



27.5890, 0.4119, 0.2233



23.9341, 0.4986, 0.3121



14.5152, 0.3197, 0.3147



10.6286, 0.4493, 0.2249



0.8035, 0.4255, 0.2118



# Inverse Universe

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



26.0419, 0.3891, 0.2329



27.5890, 0.4119, 0.2233



63.7611, 0.2435, 0.3518



14.5152, 0.3197, 0.3147



10.6286, 0.4493, 0.2249



0.8035, 0.4255, 0.2118



# Previews

## White Background



This preview shows how the Yxy color 26.0406, 0.3891, 0.2329 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

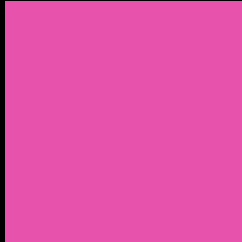
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.0406, 0.3891, 0.2329 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

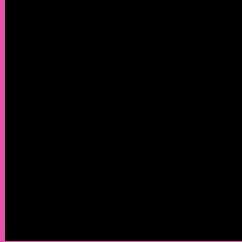
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.0406, 0.3891, 0.2329**

## Background



This preview shows how black text looks on a background with the Yxy color 26.0406, 0.3891, 0.2329.



This preview shows how white text looks on a background with the Yxy color 26.0406, 0.3891, 0.2329.

# 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

26.0406, 0.3891, 0.2329

### Protanopia

26.5427, 0.2301, 0.2178

### Deuteranopia

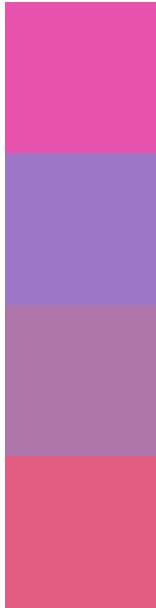
26.3587, 0.2907, 0.2849



## Tritanopia

25.9718, 0.4721, 0.3217

# Trichromacy



**Original Color**

26.0406, 0.3891, 0.2329

**Protanomaly**

24.1483, 0.2730, 0.2161

**Deuteranomaly**

24.5484, 0.3231, 0.2568

**Tritanomaly**

25.7713, 0.4432, 0.2883

# Monochromacy



**Original Color**

26.0406, 0.3891, 0.2329

**Achromatopsia**

25.0158, 0.3127, 0.3290

**Achromatomaly**

23.5825, 0.3406, 0.2803

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.0406, 0.3891, 0.2329 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(231, 82, 173)` looks like.

```
.text, #text, p{  
    color:rgb(231, 82, 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(231, 82, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 82, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 26.0406, 0.3891, 0.2329 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(231, 82, 173) }
```

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

```
.border{ border-color:rgb(231, 82, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 82, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 82, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 82, 173); box-shadow:4px 4px 4px 4px rgb(231, 82, 173) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.0406, 0.3891, 0.2329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 82, 173) }
```

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

```
.background{ background-color: rgb(231, 82,  
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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