

# Converting Colors

$Y_{xy}(26.6802, 0.4085, 0.2426)$

Have a look what the booklet for  
Yxy(26.6802, 0.4085, 0.2426)  
contains.

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# Color

**Yxy(26.6311, 0.4087, 0.2423)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EE50A5
RGB	238, 80, 165
RGB Percent	93%, 31%, 65%
CMY	0.0666, 0.6862, 0.3530
CMYK	0.00, 0.66, 0.31, 0.07
HSL	328°, 82%, 62%
HSV	328°, 66%, 93%
XYZ	44.9201, 26.6311, 38.3585
YIQ	136.9320, 66.8830, 59.9310

# Conversions

## Conversions Part 2

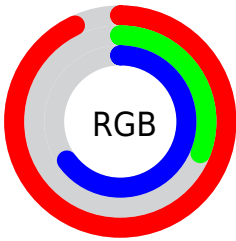
Format	Color
R <sub>Y</sub> B	238, 80, 165
Decimal	15618213
CIE Lab	58.63, 67.78, -12.58
CIE LCh	59, 68.938, 349.487
Yxy	26.6311, 0.4087, 0.2423
Android (android.graphics.Color)	4293808293 (0xFFEE50A5)
YUV	136.9320, 13.8375, 88.6366
Hunter-Lab	51.6053, 65.0667, -7.9468

# Details

The Yxy color **26.6311, 0.4087, 0.2423** 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 **65.1602, 0.2725, 0.4480**, and the grayscale version is **24.9180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6043, 0.3497, 0.2467**, and **10.6572, 0.4395, 0.2195** is the 20% darker color. If you saturate the color by 10%, you get **23.3590, 0.4307, 0.2367**, and if you desaturate by 10%, it is **31.1741, 0.3881, 0.2519**.

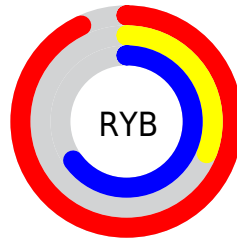
# Distribution



Red (93%)

Green (31%)

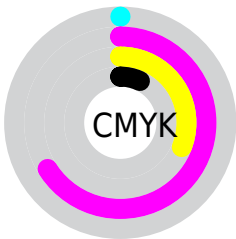
Blue (65%)



Red (93%)

Yellow (31%)

Blue (65%)

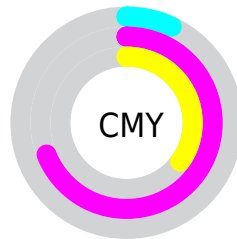


Cyan (0%)

Magenta (66%)

Yellow (31%)

Black (7%)



Cyan (7%)

Magenta (69%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.6311, 0.4087, 0.2423 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 26.6311, 0.4087, 0.2423 by changing the saturation by 10% instead.





 26.6311, 0.4087,  
0.2423


 26.6311, 0.4087,  
0.2423


285.8665, 0.3581,  
0.2866


 17.2964, 0.4221,  
0.2311


 54.2913, 0.3897,  
0.2585


 10.4460, 0.4398,  
0.2166


 73.3856, 0.3828,  
0.2646

 5.6957, 0.4641,  
0.1974


 96.5019, 0.3770,  
0.2697

 2.6609, 0.4991,  
0.1708

 124.0245, 0.3720,  
0.2740

 0.9574, 0.5536,  
0.1324

156.3379, 0.3678,  
0.2778

 0.0000, 0.7045,  
0.0000

193.8264, 0.3641,

 0.0000, 1.0000,

0.2811

0.0000

236.8745, 0.3609,  
0.2840

0.0000, 0.0000,  
0.0000

26.6311, 0.4087,  
0.2423

26.6311, 0.4087,  
0.2423

23.3590, 0.4307,  
0.2367

31.1741, 0.3881,  
0.2519

21.2158, 0.4533,  
0.2360

37.1017, 0.3696,  
0.2642


20.0304, 0.4753,  
0.2409

44.5199, 0.3534,  
0.2780

19.7368, 0.4831,  
0.2435

53.5227, 0.3395,  
0.2924

64.1965, 0.3278,  
0.3068

 76.6216, 0.3181,  
0.3206

 90.8728, 0.3100,  
0.3336

 96.7893, 0.3035,  
0.3309

 96.9184, 0.3023,  
0.3290

# Harmonies

## Analogous

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



26.6311, 0.2896, 0.1937



26.6311, 0.4087, 0.2423



26.6311, 0.5073, 0.3073

# Triad

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



26.6311, 0.4087, 0.2423



26.6311, 0.4020, 0.5283



26.6311, 0.1306, 0.2155

# Complementary

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



26.6311, 0.4087, 0.2423



65.1602, 0.2725, 0.4480

# 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.



26.6311, 0.1479, 0.3062



26.6311, 0.4087, 0.2423



26.6311, 0.2998, 0.5379

# Square

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



26.6311, 0.4087, 0.2423



26.6311, 0.4888, 0.4583



26.6311, 0.2062, 0.4411



26.6311, 0.1475, 0.1749



# Rectangle

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



26.6311, 0.4087, 0.2423



26.6311, 0.5341, 0.3551



26.6311, 0.2062, 0.4411



26.6311, 0.1323, 0.2394

# Sweetspot

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



26.6325, 0.4087, 0.2423



70.2394, 0.3319, 0.3015



18.5014, 0.2348, 0.1397



14.2817, 0.3352, 0.2975



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.



26.6325, 0.4087, 0.2423



26.1905, 0.4396, 0.2358



24.6198, 0.5223, 0.3224



15.9010, 0.3209, 0.3164



11.0368, 0.4799, 0.2417



0.9382, 0.4531, 0.2270



# Inverse Universe

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



26.6325, 0.4087, 0.2423



26.1905, 0.4396, 0.2358



68.5782, 0.2381, 0.3388



15.9010, 0.3209, 0.3164



11.0368, 0.4799, 0.2417



0.9382, 0.4531, 0.2270



# Previews

## White Background



This preview shows how the Yxy color 26.6311, 0.4087, 0.2423 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

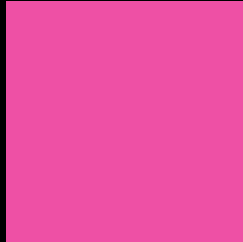
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.6311, 0.4087, 0.2423 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

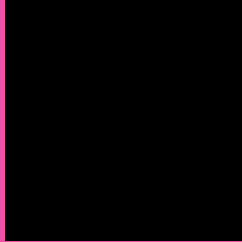
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.6311, 0.4087, 0.2423**

## Background



This preview shows how black text looks on a background with the Yxy color 26.6311, 0.4087, 0.2423.



This preview shows how white text looks on a background with the Yxy color 26.6311, 0.4087, 0.2423.

# 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

26.6311, 0.4087, 0.2423

### Protanopia

26.8434, 0.2393, 0.2296

### Deuteranopia

26.9072, 0.3045, 0.2992



## Tritanopia

26.6487, 0.4875, 0.3233

# Trichromacy



## Original Color

26.6311, 0.4087, 0.2423



## Protanomaly

24.3998, 0.2862, 0.2268



## Deuteranomaly

25.0844, 0.3405, 0.2689



## Tritanomaly

26.4552, 0.4604, 0.2927

# Monochromacy



## Original Color

26.6311, 0.4087, 0.2423



## Achromatopsia

25.0158, 0.3127, 0.3290



## Achromatomaly

23.5960, 0.3482, 0.2836

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.6311, 0.4087, 0.2423 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(238, 80, 165)` looks like.

```
.text, #text, p{  
    color:rgb(238, 80, 165)  
}
```

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(238, 80, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 80, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 26.6311, 0.4087, 0.2423 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(238, 80, 165) }
```

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

```
.border{ border-color:rgb(238, 80, 165) }
```

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

Here you see how a box with a 4 pixel rgb(238, 80, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 80, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 80, 165);  
box-shadow:4px 4px 4px 4px rgb(238, 80,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.6311, 0.4087, 0.2423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 80, 165) }
```

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

```
.background{ background-color: rgb(238, 80,  
165) }
```

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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