

# Converting Colors

$Y_{xy}(26.0864, 0.3878, 0.2838)$

Have a look what the booklet for  
Yxy(26.0864, 0.3878, 0.2838)  
contains.

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# Color

**Yxy(26.0646, 0.3874, 0.2831)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC6E92
RGB	204, 110, 146
RGB Percent	80%, 43%, 57%
CMY	0.1999, 0.5686, 0.4275
CMYK	0.00, 0.46, 0.28, 0.20
HSL	337°, 48%, 62%
HSV	337°, 46%, 80%
XYZ	35.6673, 26.0646, 30.3366
YIQ	142.2100, 44.4680, 31.1240

# Conversions

## Conversions Part 2

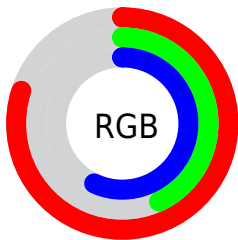
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 110, 146
Decimal	13397650
CIE <sub>Lab</sub>	58.10, 41.26, -2.87
CIE <sub>LCh</sub>	58, 41.356, 356.019
Yxy	26.0646, 0.3874, 0.2831
Android (android.graphics.Color)	4291587730 (0xFFCC6E92)
YUV	142.2100, 1.8685, 54.1898
Hunter-Lab	51.0535, 35.3613, 0.5066

# Details

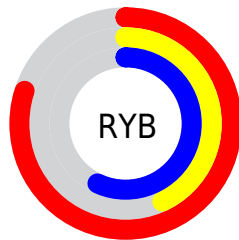
The Yxy color **26.0646, 0.3874, 0.2831** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **49.3353, 0.2717, 0.3819**, and the grayscale version is **27.1172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9810, 0.3645, 0.2917**, and **10.0737, 0.4129, 0.2657** is the 20% darker color. If you saturate the color by 10%, you get **21.7883, 0.4130, 0.2745**, and if you desaturate by 10%, it is **31.4000, 0.3654, 0.2930**.

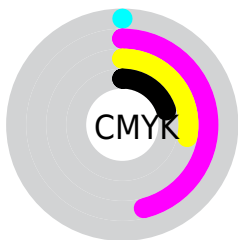
# Distribution



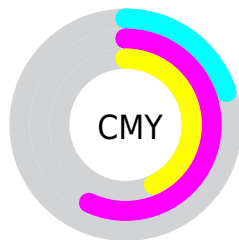
- Red (80%)
- Green (43%)
- Blue (57%)



- Red (80%)
- Yellow (43%)
- Blue (57%)



- Cyan (0%)
- Magenta (46%)
- Yellow (28%)
- Black (20%)




- Cyan (20%)
- Magenta (57%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.0646, 0.3874, 0.2831 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 26.0646, 0.3874, 0.2831 by changing the saturation by 10% instead.





 26.0646, 0.3874,  
0.2831


 26.0646, 0.3874,  
0.2831


283.0991, 0.3468,  
0.3078


 16.8720, 0.3987,  
0.2763


 53.3791, 0.3718,  
0.2925

 10.1433, 0.4141,  
0.2672


 72.2699, 0.3662,  
0.2959

 5.4940, 0.4359,  
0.2544

 95.1620, 0.3616,  
0.2987

 2.5399, 0.4695,  
0.2351

 122.4401, 0.3577,  
0.3011

 0.8966, 0.5266,  
0.2031

154.4884, 0.3543,  
0.3031

 0.0000, 1.0000,  
0.0000

191.6915, 0.3515,

 0.0000, 0.0000,

0.3049

0.0000

234.4335, 0.3490,  
0.3064

■ 26.0646, 0.3874,  
0.2831

■ 26.0646, 0.3874,  
0.2831

■ 21.7883, 0.4130,  
0.2745

■ 31.4000, 0.3654,  
0.2930

■ 18.4952, 0.4420,  
0.2682

■ 37.8558, 0.3470,  
0.3033

■ 16.1058, 0.4734,  
0.2655


■ 45.4930, 0.3318,  
0.3136


■ 14.5258, 0.5052,  
0.2676

■ 54.3673, 0.3192,  
0.3233

■ 13.6374, 0.5353,  
0.2749

■ 64.5306, 0.3089,  
0.3325

 13.3903, 0.5465,  
0.2784

 76.0320, 0.3005,  
0.3410

 88.9179, 0.2936,  
0.3488

 91.0578, 0.2870,  
0.3376

 91.5792, 0.2827,  
0.3289

# Harmonies

## Analogous

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



26.0646, 0.3160, 0.2449



26.0646, 0.3874, 0.2831



26.0646, 0.4393, 0.3322

# Triad

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



26.0646, 0.3874, 0.2831



26.0646, 0.3649, 0.4575



26.0646, 0.1906, 0.2512

# Complementary

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



26.0646, 0.3874, 0.2831



49.3353, 0.2717, 0.3819

# 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.



26.0646, 0.2001, 0.3051



26.0646, 0.3874, 0.2831



26.0646, 0.2972, 0.4397

# Square

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



26.0646, 0.3874, 0.2831



26.0646, 0.4219, 0.4321



26.0646, 0.2373, 0.3781



26.0646, 0.2081, 0.2249



# Rectangle

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



26.0646, 0.3874, 0.2831



26.0646, 0.4521, 0.3674



26.0646, 0.2373, 0.3781



26.0646, 0.1907, 0.2662

# Sweetspot

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



26.0659, 0.3874, 0.2831



77.9608, 0.3292, 0.3155



23.8343, 0.2801, 0.2046



16.0402, 0.3322, 0.3133



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.



26.0659, 0.3874, 0.2831



36.3075, 0.4120, 0.2747



27.6321, 0.4295, 0.3435



11.2835, 0.3231, 0.3202



8.4437, 0.5428, 0.2764



0.4503, 0.4900, 0.2473



# Inverse Universe

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



26.0659, 0.3874, 0.2831



36.3075, 0.4120, 0.2747



45.8350, 0.2489, 0.3133



11.2835, 0.3231, 0.3202



8.4437, 0.5428, 0.2764



0.4503, 0.4900, 0.2473



# Previews

## White Background



This preview shows how the Yxy color 26.0646, 0.3874, 0.2831 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

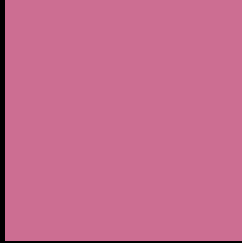
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.0646, 0.3874, 0.2831 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 26.0646, 0.3874, 0.2831**

## Background



This preview shows how black text looks on a background with the Yxy color 26.0646, 0.3874, 0.2831.



This preview shows how white text looks on a background with the Yxy color 26.0646, 0.3874, 0.2831.

# 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

26.0646, 0.3874, 0.2831

### Protanopia

26.2965, 0.2847, 0.2888

### Deuteranopia

26.3336, 0.3255, 0.3195



## Tritanopia

26.0212, 0.4143, 0.3176

# Trichromacy



## Original Color

26.0646, 0.3874, 0.2831

## Protanomaly

25.3462, 0.3182, 0.2850

## Deuteranomaly

25.9326, 0.3481, 0.3054

## Tritanomaly

26.1455, 0.4052, 0.3059

# Monochromacy



## Original Color

26.0646, 0.3874, 0.2831

## Achromatopsia

27.0498, 0.3127, 0.3290

## Achromatomaly

25.9478, 0.3392, 0.3093

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.0646, 0.3874, 0.2831 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(204, 110, 146)` looks like.

```
.text, #text, p{  
    color:rgb(204, 110, 146)  
}
```

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(204, 110, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 110, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 26.0646, 0.3874, 0.2831 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(204, 110, 146) }
```

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

```
.border{ border-color:rgb(204, 110, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 110, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 110, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 110, 146);  
box-shadow:4px 4px 4px 4px rgb(204, 110,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.0646, 0.3874, 0.2831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 110, 146) }
```

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

```
.background{ background-color: rgb(204,  
110, 146) }
```

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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