

# Converting Colors

$Y_{xy}(27.8793, 0.3854, 0.2751)$

Have a look what the booklet for  
Yxy(27.8793, 0.3854, 0.2751)  
contains.

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# Color

**Yxy(27.8816, 0.3856, 0.2754)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D56F9B
RGB	213, 111, 155
RGB Percent	84%, 44%, 61%
CMY	0.1647, 0.5647, 0.3923
CMYK	0.00, 0.48, 0.27, 0.16
HSL	334°, 55%, 64%
HSV	334°, 48%, 84%
XYZ	39.0383, 27.8816, 34.3205
YIQ	146.5140, 46.6680, 35.3080

# Conversions

## Conversions Part 2

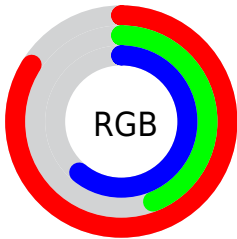
Format	Color
R <sub>Y</sub> B	213, 111, 155
Decimal	13987739
CIE Lab	59.78, 45.02, -5.45
CIE LCh	60, 45.351, 353.094
Yxy	27.8816, 0.3856, 0.2754
Android (android.graphics.Color)	4292177819 (0xFFD56F9B)
YUV	146.5140, 4.1836, 58.3082
Hunter-Lab	52.8030, 39.5632, -1.5747

# Details

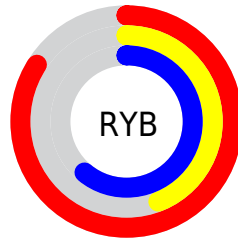
The Yxy color **27.8816, 0.3856, 0.2754** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **53.8329, 0.2732, 0.3920**, and the grayscale version is **28.9357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7737, 0.3559, 0.2837**, and **11.1953, 0.4106, 0.2586** is the 20% darker color. If you saturate the color by 10%, you get **23.3884, 0.4095, 0.2659**, and if you desaturate by 10%, it is **33.5265, 0.3649, 0.2864**.

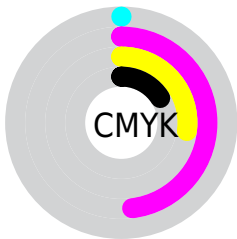
# Distribution



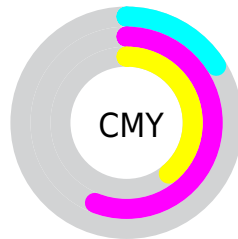
- Red (84%)
- Green (44%)
- Blue (61%)



- Red (84%)
- Yellow (44%)
- Blue (61%)



- Cyan (0%)
- Magenta (48%)
- Yellow (27%)
- Black (16%)




- Cyan (16%)
- Magenta (56%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8816, 0.3856, 0.2754 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 27.8816, 0.3856, 0.2754 by changing the saturation by 10% instead.





 27.8816, 0.3856,  
0.2754


 27.8816, 0.3856,  
0.2754


291.9007, 0.3466,  
0.3036


 18.2364, 0.3962,  
0.2679


 56.2954, 0.3708,  
0.2860

 11.1199, 0.4104,  
0.2580


 75.8327, 0.3654,  
0.2898

 6.1475, 0.4304,  
0.2444


 99.4363, 0.3610,  
0.2931

 2.9350, 0.4602,  
0.2246

 127.4904, 0.3572,  
0.2958

 1.0979, 0.5093,  
0.1931

160.3796, 0.3540,  
0.2982

 0.0000, 0.7558,  
0.0000

198.4880, 0.3512,

 0.0000, 1.0000,

0.3002

0.0000

242.2003, 0.3487,  
0.3020

0.0000, 0.0000,  
0.0000

27.8816, 0.3856,  
0.2754

27.8816, 0.3856,  
0.2754

23.3884, 0.4095,  
0.2659

33.5265, 0.3649,  
0.2864

19.9615, 0.4363,  
0.2591

40.3923, 0.3474,  
0.2980

17.5103, 0.4650,  
0.2563


48.5475, 0.3328,  
0.3095

15.9270, 0.4940,  
0.2586

58.0544, 0.3207,  
0.3207


15.0584, 0.5215,  
0.2660


68.9710, 0.3108,  
0.3312

 14.9147, 0.5273,  
0.2678

 81.3522, 0.3026,  
0.3409

 91.9451, 0.2958,  
0.3447

 92.6889, 0.2893,  
0.3321

 92.8855, 0.2877,  
0.3289

# Harmonies

## Analogous

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



27.8816, 0.3085, 0.2367



27.8816, 0.3856, 0.2754



27.8816, 0.4447, 0.3263

# Triad

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



27.8816, 0.3856, 0.2754



27.8816, 0.3743, 0.4658



27.8816, 0.1829, 0.2499

# Complementary

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



27.8816, 0.3856, 0.2754



53.8329, 0.2732, 0.3920

# 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.



27.8816, 0.1954, 0.3098



27.8816, 0.3856, 0.2754



27.8816, 0.3025, 0.4529

# Square

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



27.8816, 0.3856, 0.2754



27.8816, 0.4333, 0.4338



27.8816, 0.2373, 0.3895



27.8816, 0.1986, 0.2198



# Rectangle

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



27.8816, 0.3856, 0.2754



27.8816, 0.4612, 0.3632



27.8816, 0.2373, 0.3895



27.8816, 0.1839, 0.2666

# Sweetspot

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



27.8830, 0.3856, 0.2754



78.0598, 0.3280, 0.3138



24.5892, 0.2732, 0.1975



16.0642, 0.3307, 0.3113



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.



27.8830, 0.3856, 0.2754



35.3265, 0.4088, 0.2662



28.2063, 0.4402, 0.3377



12.5088, 0.3224, 0.3190



9.1306, 0.5237, 0.2658



0.5671, 0.4801, 0.2418



# Inverse Universe

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



27.8830, 0.3856, 0.2754



35.3265, 0.4088, 0.2662



52.4218, 0.2480, 0.3196



12.5088, 0.3224, 0.3190



9.1306, 0.5237, 0.2658



0.5671, 0.4801, 0.2418



# Previews

## White Background



This preview shows how the Yxy color 27.8816, 0.3856, 0.2754 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 27.8816, 0.3856, 0.2754 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

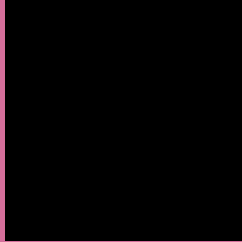
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 27.8816, 0.3856, 0.2754**

## Background



This preview shows how black text looks on a background with the Yxy color 27.8816, 0.3856, 0.2754.



This preview shows how white text looks on a background with the Yxy color 27.8816, 0.3856, 0.2754.

# 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

27.8816, 0.3856, 0.2754

### Protanopia

28.0979, 0.2767, 0.2779

### Deuteranopia

28.0261, 0.3199, 0.3136



## Tritanopia

27.9049, 0.4192, 0.3193

# Trichromacy



## Original Color

27.8816, 0.3856, 0.2754

## Protanomaly

27.0591, 0.3120, 0.2750

## Deuteranomaly

27.3146, 0.3430, 0.2960

## Tritanomaly

27.8879, 0.4068, 0.3030

# Monochromacy



## Original Color

27.8816, 0.3856, 0.2754

## Achromatopsia

29.1771, 0.3127, 0.3290

## Achromatomaly

27.9101, 0.3374, 0.3055

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 27.8816, 0.3856, 0.2754 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(213, 111, 155)` looks like.

```
.text, #text, p{  
    color:rgb(213, 111, 155)  
}
```

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(213, 111, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 111, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 27.8816, 0.3856, 0.2754 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(213, 111, 155) }
```

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

```
.border{ border-color:rgb(213, 111, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 111, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 111, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 111, 155);  
box-shadow:4px 4px 4px 4px rgb(213, 111,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 27.8816, 0.3856, 0.2754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 111, 155) }
```

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

```
.background{ background-color: rgb(213,  
111, 155) }
```

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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