

# Converting Colors

$Y_{xy}(27.4107, 0.2997, 0.2005)$

Have a look what the booklet for  
Yxy(27.4107, 0.2997, 0.2005)  
contains.

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# Color

**Yxy(27.2717, 0.2999, 0.2003)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C66AD8
RGB	198, 106, 216
RGB Percent	78%, 42%, 85%
CMY	0.2235, 0.5842, 0.1531
CMYK	0.08, 0.51, 0.00, 0.15
HSL	290°, 58%, 63%
HSV	290°, 51%, 85%
XYZ	40.8327, 27.2717, 68.0499
YIQ	146.0480, 19.5220, 53.7140

# Conversions

## Conversions Part 2

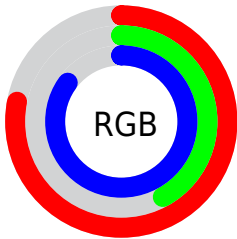
Format	Color
<a href="#">RYB</a>	<a href="#">198, 106, 216</a>
Decimal	<a href="#">13003480</a>
CIELab	<a href="#">59.22, 53.03, -41.30</a>
CIElCh	<a href="#">59, 67.214, 322.090</a>
Yxy	<a href="#">27.2717, 0.2999, 0.2003</a>
Android (android.graphics.Color)	<a href="#">4291193560 (0xFFC66AD8)</a>
YUV	<a href="#">146.0480, 34.4863, 45.5619</a>
Hunter-Lab	<a href="#">52.2223, 48.1802, -40.7041</a>

# Details

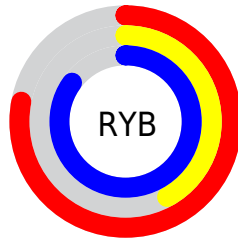
The Yxy color **27.2717, 0.2999, 0.2003** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **54.4154, 0.3162, 0.4852**, and the grayscale version is **28.6171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **10.8702, 0.2922, 0.1684** is the 20% darker color. If you saturate the color by 10%, you get **22.8937, 0.2961, 0.1786**, and if you desaturate by 10%, it is **32.7839, 0.3033, 0.2245**.

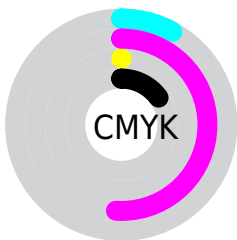
# Distribution



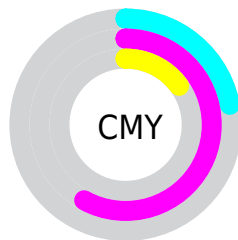
- Red (78%)
- Green (42%)
- Blue (85%)



- Red (78%)
- Yellow (42%)
- Blue (85%)



- Cyan (8%)
- Magenta (51%)
- Yellow (0%)
- Black (15%)




- Cyan (22%)
- Magenta (58%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 27.2717, 0.2999, 0.2003 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 27.2717, 0.2999, 0.2003 by changing the saturation by 10% instead.




 27.2717, 0.2999,  
0.2003


 27.2717, 0.2999,  
0.2003


288.9702, 0.3092,  
0.2622


 17.7774, 0.2967,  
0.1859


 55.3196, 0.3039,  
0.2221


 10.7903, 0.2922,  
0.1682


 74.6419, 0.3052,  
0.2305

 5.9260, 0.2855,  
0.1459


 98.0090, 0.3063,  
0.2377

 2.8001, 0.2748,  
0.1177

 125.8053, 0.3071,  
0.2439

 1.0283, 0.2566,  
0.0820

158.4152, 0.3078,  
0.2494

 0.0000, 0.2324,  
0.0000


196.2230, 0.3083,


 0.0000, 0.0849,

0.2542

0.0000


239.6133, 0.3088,  
0.2584


 0.0000, 0.0000,  
0.0000


 27.2717, 0.2999,  
0.2003


 27.2717, 0.2999,  
0.2003


 22.8937, 0.2961,  
0.1786


 32.7839, 0.3033,  
0.2245

 19.5604, 0.2920,  
0.1603


 39.5036, 0.3063,  
0.2502


 17.1748, 0.2877,  
0.1463

 47.5023, 0.3088,  
0.2763

 15.6197, 0.2834,  
0.1367

 56.8446, 0.3109,  
0.3021

 14.7409, 0.2795,  
0.1313

 67.5910, 0.3126,  
0.3268

■ 79.7981, 0.3139,  
0.3501

■ 92.1153, 0.3150,  
0.3697

■ 92.6806, 0.3172,  
0.3694

■ 93.2576, 0.3194,  
0.3691

# Harmonies

## Analogous

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



27.2717, 0.2081, 0.1748



27.2717, 0.2999, 0.2003



27.2717, 0.4158, 0.2498

# Triad

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



27.2717, 0.2999, 0.2003



27.2717, 0.4788, 0.4630



27.2717, 0.1492, 0.2977

# Complementary

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



27.2717, 0.2999, 0.2003



54.4154, 0.3162, 0.4852

# 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.



27.2717, 0.2031, 0.4257



27.2717, 0.2999, 0.2003



27.2717, 0.3926, 0.5269

# Square

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



27.2717, 0.2999, 0.2003



27.2717, 0.5265, 0.3866



27.2717, 0.2926, 0.5260



27.2717, 0.1351, 0.2138



# Rectangle

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



27.2717, 0.2999, 0.2003



27.2717, 0.4828, 0.2920



27.2717, 0.2926, 0.5260



27.2717, 0.1625, 0.3373

# Sweetspot

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



27.2729, 0.2999, 0.2003



76.8110, 0.3101, 0.2913



22.5217, 0.2205, 0.1941



15.8236, 0.3097, 0.2858



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.



27.2729, 0.2999, 0.2003



32.9843, 0.2958, 0.1772



28.1715, 0.3593, 0.2432



12.5253, 0.3112, 0.3058



8.7688, 0.2801, 0.1317



0.5569, 0.2876, 0.1358



# Inverse Universe

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



26.3589, 0.4331, 0.3077



31.7463, 0.4751, 0.3051



54.1293, 0.2857, 0.4366



12.4536, 0.3266, 0.3252



8.7245, 0.6154, 0.3164



0.5367, 0.5711, 0.2920



# Previews

## White Background



This preview shows how the Yxy color 27.2717, 0.2999, 0.2003 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

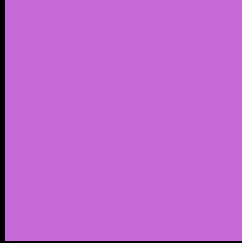
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 27.2717, 0.2999, 0.2003 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

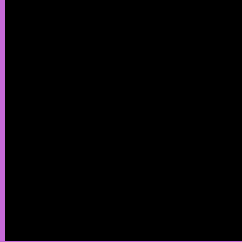
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 27.2717, 0.2999, 0.2003**

## Background



This preview shows how black text looks on a background with the Yxy color 27.2717, 0.2999, 0.2003.

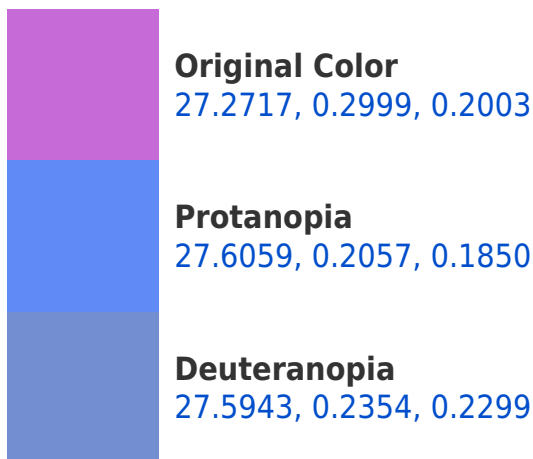


This preview shows how white text looks on a background with the Yxy color 27.2717, 0.2999, 0.2003.

# 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





## Tritanopia

27.2358, 0.3757, 0.3166

# Trichromacy



## Original Color

27.2717, 0.2999, 0.2003



## Protanomaly

26.1634, 0.2298, 0.1864



## Deuteranomaly

26.4737, 0.2541, 0.2141



## Tritanomaly

26.9504, 0.3471, 0.2689

# Monochromacy



## Original Color

27.2717, 0.2999, 0.2003



## Achromatopsia

28.7441, 0.3127, 0.3290



## Achromatomaly

27.1722, 0.3089, 0.2709

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 27.2717, 0.2999, 0.2003 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(198, 106, 216)` looks like.

```
.text, #text, p{  
    color:rgb(198, 106, 216)  
}
```

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(198, 106, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 106, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 27.2717, 0.2999, 0.2003 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(198, 106, 216) }
```

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

```
.border{ border-color:rgb(198, 106, 216) }
```

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

Here you see how a box with a 4 pixel rgb(198, 106, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 106, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 106, 216);  
box-shadow:4px 4px 4px 4px rgb(198, 106,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 27.2717, 0.2999, 0.2003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 106, 216) }
```

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

```
.background{ background-color: rgb(198,  
106, 216) }
```

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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