

# Converting Colors

$Y_{xy}(26.3858, 0.3164, 0.2172)$

Have a look what the booklet for  
Yxy(26.3858, 0.3164, 0.2172)  
contains.

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**Color**

**Yxy(26.4629, 0.3168, 0.2179)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C56BC6
RGB	197, 107, 198
RGB Percent	77%, 42%, 78%
CMY	0.2275, 0.5803, 0.2235
CMYK	0.01, 0.46, 0.00, 0.22
HSL	299°, 44%, 60%
HSV	299°, 46%, 78%
XYZ	38.4738, 26.4629, 56.5084
YIQ	144.2840, 24.4290, 47.3810

# Conversions

## Conversions Part 2

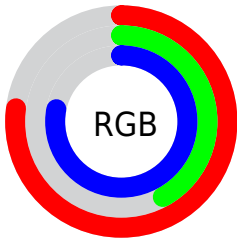
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	197, 107, 198
Decimal	12938182
CIE <sub>Lab</sub>	58.47, 48.86, -32.32
CIE <sub>LCh</sub>	58, 58.582, 326.515
Yxy	26.4629, 0.3168, 0.2179
Android (android.graphics.Color)	4291128262 (0xFFC56BC6)
YUV	144.2840, 26.4820, 46.2319
Hunter-Lab	51.4421, 43.4774, -29.1198

# Details

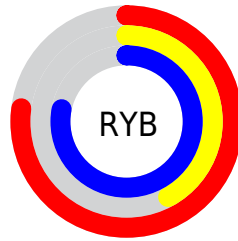
The Yxy color **26.4629, 0.3168, 0.2179** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **44.6423, 0.3067, 0.4715**, and the grayscale version is **27.8955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9697, 0.3170, 0.2375**, and **10.3147, 0.3146, 0.1871** is the 20% darker color. If you saturate the color by 10%, you get **22.7668, 0.3174, 0.1976**, and if you desaturate by 10%, it is **31.1066, 0.3160, 0.2407**.

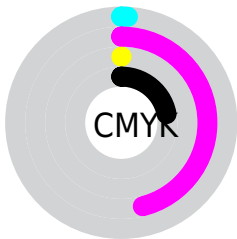
# Distribution



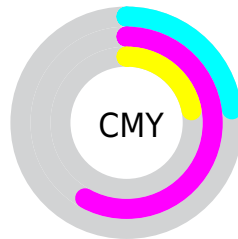
- Red (77%)
- Green (42%)
- Blue (78%)



- Red (77%)
- Yellow (42%)
- Blue (78%)



- Cyan (1%)
- Magenta (46%)
- Yellow (0%)
- Black (22%)




- Cyan (23%)
- Magenta (58%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.4629, 0.3168, 0.2179 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 26.4629, 0.3168, 0.2179 by changing the saturation by 10% instead.





 26.4629, 0.3168,  
0.2179


 26.4629, 0.3168,  
0.2179


285.0471, 0.3166,  
0.2728


 17.1703, 0.3162,  
0.2046


 54.0208, 0.3172,  
0.2376

 10.3560, 0.3150,  
0.1880


 73.0548, 0.3172,  
0.2450

 5.6356, 0.3127,  
0.1665


 96.1048, 0.3172,  
0.2514

 2.6248, 0.3082,  
0.1382

 123.5550, 0.3171,  
0.2569

 0.9391, 0.2985,  
0.1003

155.7900, 0.3170,  
0.2616

 0.0000, 0.2905,  
0.0000

193.1941, 0.3169,

 0.0000, 0.0000,

0.2658

0.0000

236.1516, 0.3168,  
0.2695

■ 26.4629, 0.3168,  
0.2179

■ 26.4629, 0.3168,  
0.2179

■ 22.7668, 0.3174,  
0.1976

■ 31.1066, 0.3160,  
0.2407

■ 19.9495, 0.3179,  
0.1805

■ 36.7537, 0.3152,  
0.2650

■ 17.9384, 0.3182,  
0.1675


■ 43.4596, 0.3142,  
0.2899

■ 16.6479, 0.3183,  
0.1587


■ 51.2748, 0.3133,  
0.3146

■ 15.9704, 0.3182,  
0.1539


■ 60.2466, 0.3123,  
0.3385

 15.7845, 0.3181,  
0.1526

 70.4194, 0.3114,  
0.3612

 81.8355, 0.3105,  
0.3824

 87.7067, 0.3102,  
0.3918

 87.7370, 0.3104,  
0.3918

# Harmonies

## Analogous

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



26.4629, 0.2293, 0.1907



26.4629, 0.3168, 0.2179



26.4629, 0.4185, 0.2665

# Triad

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



26.4629, 0.3168, 0.2179



26.4629, 0.4552, 0.4633



26.4629, 0.1611, 0.2894

# Complementary

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



26.4629, 0.3168, 0.2179



44.6423, 0.3067, 0.4715

# 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.



26.4629, 0.2063, 0.3967



26.4629, 0.3168, 0.2179



26.4629, 0.3754, 0.5096

# Square

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



26.4629, 0.3168, 0.2179



26.4629, 0.5017, 0.3958



26.4629, 0.2846, 0.4913



26.4629, 0.1517, 0.2195



# Rectangle

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



26.4629, 0.3168, 0.2179



26.4629, 0.4730, 0.3068



26.4629, 0.2846, 0.4913



26.4629, 0.1720, 0.3222

# Sweetspot

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



26.4641, 0.3168, 0.2179



79.2239, 0.3141, 0.2943



18.0416, 0.2270, 0.1889



16.3492, 0.3143, 0.2888



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.



26.4641, 0.3168, 0.2179



40.3877, 0.3174, 0.1978



24.8587, 0.3705, 0.2678



10.8103, 0.3136, 0.3062



10.2672, 0.3182, 0.1526



0.4881, 0.3188, 0.1530



# Inverse Universe

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



23.6082, 0.4343, 0.3280



34.7330, 0.4769, 0.3279



45.7510, 0.2793, 0.4012



10.6388, 0.3288, 0.3288



7.8117, 0.6387, 0.3292

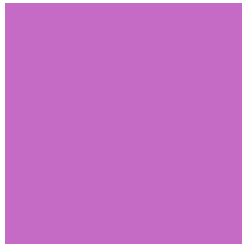


0.3706, 0.6338, 0.3265



# Previews

## White Background



This preview shows how the Yxy color 26.4629, 0.3168, 0.2179 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

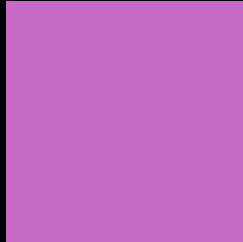
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.4629, 0.3168, 0.2179 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

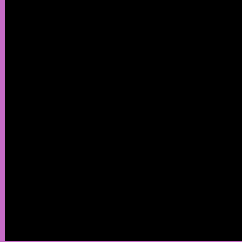
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.4629, 0.3168, 0.2179**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.4629, 0.3168, 0.2179.

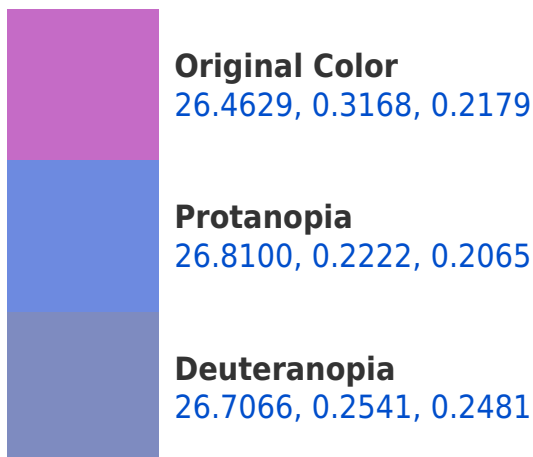


This preview shows how white text looks on a background with the Yxy color 26.4629, 0.3168, 0.2179.

# 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

26.4038, 0.3834, 0.3153

# Trichromacy



## Original Color

26.4629, 0.3168, 0.2179



## Protanomaly

25.7478, 0.2483, 0.2073



## Deuteranomaly

25.7492, 0.2741, 0.2332



## Tritanomaly

26.3293, 0.3583, 0.2767

# Monochromacy



## Original Color

26.4629, 0.3168, 0.2179



## Achromatopsia

27.8894, 0.3127, 0.3290



## Achromatomaly

26.6995, 0.3139, 0.2801

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  26.4629, 0.3168, 0.2179 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(197, 107, 198)` looks like.

```
.text, #text, p{  
    color:rgb(197, 107, 198)  
}
```

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(197, 107, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 107, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 26.4629, 0.3168, 0.2179 is called "border". The border property can be set on classes, ids or directly on the HTML element.

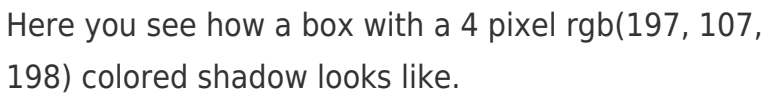
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 107, 198) }
```

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

```
.border{ border-color:rgb(197, 107, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 107, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 107, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 107, 198); box-shadow:4px 4px 4px 4px rgb(197, 107, 198) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.4629, 0.3168, 0.2179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 107, 198) }
```

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

```
.background{ background-color: rgb(197,  
107, 198) }
```

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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