

# Converting Colors

$Y_{xy}(28.1628, 0.3176, 0.2248)$

Have a look what the booklet for  
Yxy(28.1628, 0.3176, 0.2248)  
contains.

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# Color

**Yxy(28.0759, 0.3176, 0.2242)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C771C7
RGB	199, 113, 199
RGB Percent	78%, 44%, 78%
CMY	0.2196, 0.5569, 0.2195
CMYK	0.00, 0.43, 0.00, 0.22
HSL	300°, 43%, 61%
HSV	300°, 43%, 78%
XYZ	39.7721, 28.0759, 57.3790
YIQ	148.5180, 23.6500, 44.9780

# Conversions

## Conversions Part 2

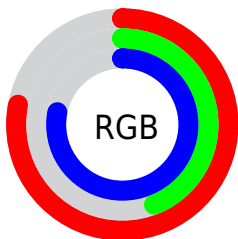
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 113, 199
Decimal	13070791
CIE <sub>Lab</sub>	59.96, 46.58, -30.58
CIE <sub>LCh</sub>	60, 55.723, 326.711
Yxy	28.0759, 0.3176, 0.2242
Android (android.graphics.Color)	4291260871 (0xFFC771C7)
YUV	148.5180, 24.8876, 44.2727
Hunter-Lab	52.9867, 41.2564, -27.1142

# Details

The Yxy color **28.0759, 0.3176, 0.2242** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **45.5690, 0.3065, 0.4621**, and the grayscale version is **29.7290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1174, 0.3167, 0.2431**, and **11.2215, 0.3159, 0.1957** is the 20% darker color. If you saturate the color by 10%, you get **24.1119, 0.3186, 0.2033**, and if you desaturate by 10%, it is **33.0162, 0.3165, 0.2474**.

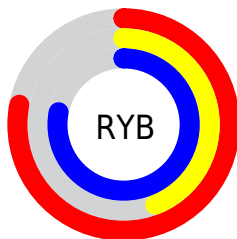
# Distribution



Red (78%)

Green (44%)

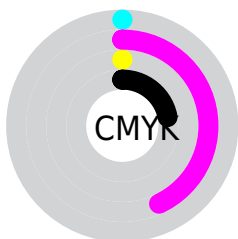
Blue (78%)



Red (78%)

Yellow (44%)

Blue (78%)

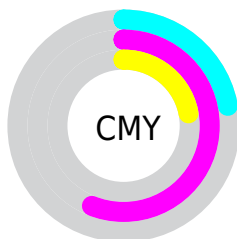


Cyan (0%)

Magenta (43%)

Yellow (0%)

Black (22%)



Cyan (22%)

Magenta (56%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0759, 0.3176, 0.2242 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 28.0759, 0.3176, 0.2242 by changing the saturation by 10% instead.





 28.0759, 0.3176,  
0.2242


 28.0759, 0.3176,  
0.2242


292.8294, 0.3168,  
0.2759


 18.3829, 0.3172,  
0.2117


 56.6056, 0.3177,  
0.2427

 11.2252, 0.3164,  
0.1960


 76.2111, 0.3176,  
0.2497

 6.2185, 0.3148,  
0.1757


 99.8895, 0.3175,  
0.2557

 2.9784, 0.3113,  
0.1489

128.0252, 0.3174,  
0.2609

 1.1205, 0.3036,  
0.1124

161.0027, 0.3172,  
0.2653

 0.0000, 0.3043,  
0.0000

199.2063, 0.3171,

 0.0000, 0.0797,


0.2693


0.0000


243.0204, 0.3170,  
0.2728


 0.0000, 0.0000,  
0.0000

 28.0759, 0.3176,  
0.2242

 28.0759, 0.3176,  
0.2242

 24.1119, 0.3186,  
0.2033


 33.0162, 0.3165,  
0.2474


 21.0561, 0.3194,  
0.1855


 38.9876, 0.3154,  
0.2718


 18.8376, 0.3200,  
0.1715


 46.0452, 0.3142,  
0.2967


 17.3735, 0.3205,  
0.1618


 54.2392, 0.3131,  
0.3212

 16.5639, 0.3207,  
0.1562

 63.6166, 0.3120,  
0.3449

 16.2632, 0.3208,  
0.1541

 74.2218, 0.3109,  
0.3672

 86.0969, 0.3100,  
0.3879

 87.7963, 0.3098,  
0.3906

 87.7972, 0.3098,  
0.3906

# Harmonies

## Analogous

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



28.0759, 0.2349, 0.1981



28.0759, 0.3176, 0.2242



28.0759, 0.4122, 0.2708

# Triad

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



28.0759, 0.3176, 0.2242



28.0759, 0.4477, 0.4575



28.0759, 0.1694, 0.2924

# Complementary

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



28.0759, 0.3176, 0.2242



45.5690, 0.3065, 0.4621

# 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.



28.0759, 0.2128, 0.3914



28.0759, 0.3176, 0.2242



28.0759, 0.3728, 0.4980

# Square

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



28.0759, 0.3176, 0.2242



28.0759, 0.4904, 0.3947



28.0759, 0.2870, 0.4785



28.0759, 0.1602, 0.2262



# Rectangle

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



28.0759, 0.3176, 0.2242



28.0759, 0.4627, 0.3095



28.0759, 0.2870, 0.4785



28.0759, 0.1800, 0.3229

# Sweetspot

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



28.0771, 0.3176, 0.2242



80.6407, 0.3142, 0.2968



19.7666, 0.2328, 0.1985



16.6316, 0.3145, 0.2913



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.



28.0771, 0.3176, 0.2242



42.4887, 0.3185, 0.2042



26.4057, 0.3657, 0.2713



10.8165, 0.3138, 0.3062



10.4531, 0.3208, 0.1541



0.4950, 0.3209, 0.1541



# Inverse Universe

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



25.1487, 0.4249, 0.3293



36.6937, 0.4649, 0.3294



46.7274, 0.2808, 0.3962



10.6370, 0.3289, 0.3290



7.8078, 0.6400, 0.3299



0.3697, 0.6399, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 28.0759, 0.3176, 0.2242 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

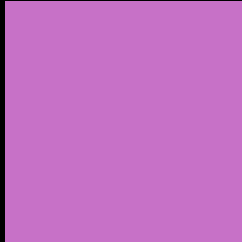
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 28.0759, 0.3176, 0.2242 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

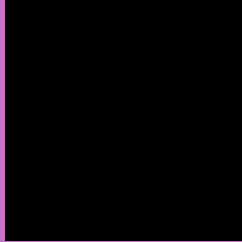
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.0759, 0.3176, 0.2242**

## **Background**



This preview shows how black text looks on a background with the Yxy color 28.0759, 0.3176, 0.2242.



This preview shows how white text looks on a background with the Yxy color 28.0759, 0.3176, 0.2242.

# 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

28.0759, 0.3176, 0.2242

### Protanopia

28.3867, 0.2283, 0.2146

### Deuteranopia

28.4455, 0.2584, 0.2528



## Tritanopia

28.0613, 0.3776, 0.3154

# Trichromacy



## Original Color

28.0759, 0.3176, 0.2242



## Protanomaly

27.1986, 0.2539, 0.2150



## Deuteranomaly

27.5560, 0.2768, 0.2389



## Tritanomaly

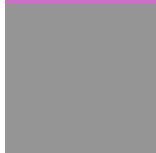
27.9265, 0.3546, 0.2786

# Monochromacy



## Original Color

28.0759, 0.3176, 0.2242



## Achromatopsia

30.0544, 0.3127, 0.3290



## Achromatomaly

28.6138, 0.3148, 0.2840

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.0759, 0.3176, 0.2242 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(199, 113, 199)` looks like.

```
.text, #text, p{  
    color:rgb(199, 113, 199)  
}
```

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(199, 113, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 113, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 28.0759, 0.3176, 0.2242 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(199, 113, 199) }
```

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

```
.border{ border-color:rgb(199, 113, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 113, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 113, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 113, 199);  
box-shadow:4px 4px 4px 4px rgb(199, 113,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.0759, 0.3176, 0.2242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 113, 199) }
```

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

```
.background{ background-color: rgb(199,  
113, 199) }
```

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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