

Converting Colors

$Y_{xy}(28.5607, 0.3766, 0.2913)$

Have a look what the booklet for
Yxy(28.5607, 0.3766, 0.2913)
contains.

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Color

Yxy(28.5733, 0.3774, 0.2917)

Conversions

Conversions Part 1

Format	Color
Hex	CB7996
RGB	203, 121, 150
RGB Percent	80%, 47%, 59%
CMY	0.2040, 0.5254, 0.4118
CMYK	0.00, 0.40, 0.26, 0.20
HSL	339°, 44%, 64%
HSV	339°, 40%, 80%
XYZ	36.9680, 28.5733, 32.4131
YIQ	148.8240, 39.5630, 26.4030

Conversions

Conversions Part 2

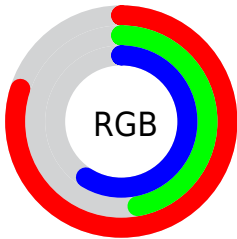
Format	Color
R_{YB}	203, 121, 150
Decimal	13334934
CIE _{Lab}	60.40, 35.65, -1.81
CIE _{LCh}	60, 35.699, 357.090
Yxy	28.5733, 0.3774, 0.2917
Android (android.graphics.Color)	4291525014 (0xFFCB7996)
YUV	148.8240, 0.5798, 47.5124
Hunter-Lab	53.4540, 29.9035, 1.4659

Details

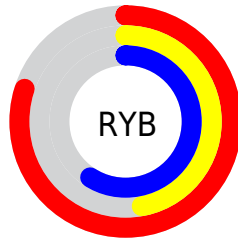
The Yxy color **28.5733, 0.3774, 0.2917** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **49.8305, 0.2743, 0.3706**, and the grayscale version is **29.9630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2796, 0.3585, 0.2991**, and **11.4842, 0.4007, 0.2793** is the 20% darker color. If you saturate the color by 10%, you get **23.7492, 0.4022, 0.2830**, and if you desaturate by 10%, it is **34.4855, 0.3565, 0.3012**.

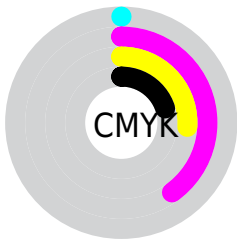
Distribution



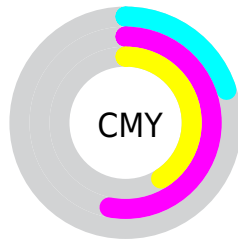
- Red (80%)
- Green (47%)
- Blue (59%)



- Red (80%)
- Yellow (47%)
- Blue (59%)



- Cyan (0%)
- Magenta (40%)
- Yellow (26%)
- Black (20%)




- Cyan (20%)
- Magenta (53%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5733, 0.3774, 0.2917 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 28.5733, 0.3774, 0.2917 by changing the saturation by 10% instead.

 28.5733, 0.3774,
0.2917


 28.5733, 0.3774,
0.2917


295.1963, 0.3426,
0.3116

 18.7583, 0.3870,
0.2863


 57.3984, 0.3641,
0.2993

 11.4957, 0.3998,
0.2790


 77.1774, 0.3593,
0.3020

 6.4013, 0.4180,
0.2689


 101.0463, 0.3553,
0.3043

 3.0906, 0.4456,
0.2536

129.3898, 0.3520,
0.3062

 1.1792, 0.4919,
0.2285

162.5921, 0.3491,
0.3079

 0.0446, 0.8062,
0.0393

201.0377, 0.3467,

 0.0000, 0.0000,

0.3093

0.0000

245.1110, 0.3445,
0.3105

■ 28.5733, 0.3774,
0.2917

■ 28.5733, 0.3774,
0.2917

■ 23.7492, 0.4022,
0.2830

■ 34.4855, 0.3565,
0.3012

■ 19.9420, 0.4309,
0.2759

■ 41.5431, 0.3391,
0.3107

■ 17.0782, 0.4629,
0.2717


■ 49.8043, 0.3248,
0.3200

■ 15.0726, 0.4964,
0.2715

■ 59.3221, 0.3131,
0.3287


■ 13.8244, 0.5292,
0.2763


■ 70.1464, 0.3036,
0.3368

 13.1597, 0.5580,
0.2848

 82.3241, 0.2957,
0.3442

 90.6179, 0.2890,
0.3428

 91.4346, 0.2822,
0.3289

 91.4353, 0.2822,
0.3289

Harmonies

Analogous

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



28.5733, 0.3183, 0.2578



28.5733, 0.3774, 0.2917



28.5733, 0.4196, 0.3348

Triad

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



28.5733, 0.3774, 0.2917



28.5733, 0.3562, 0.4363



28.5733, 0.2081, 0.2627

Complementary

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



28.5733, 0.3774, 0.2917



49.8305, 0.2743, 0.3706

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.



28.5733, 0.2160, 0.3082



28.5733, 0.3774, 0.2917



28.5733, 0.2988, 0.4186

Square

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



28.5733, 0.3774, 0.2917



28.5733, 0.4045, 0.4186



28.5733, 0.2479, 0.3679



28.5733, 0.2243, 0.2399

Rectangle

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



28.5733, 0.3774, 0.2917



28.5733, 0.4299, 0.3653



28.5733, 0.2479, 0.3679



28.5733, 0.2081, 0.2755

Sweetspot

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



28.5747, 0.3774, 0.2917



80.7971, 0.3271, 0.3183



26.8659, 0.2866, 0.2210



16.8870, 0.3289, 0.3171



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.



28.5747, 0.3774, 0.2917



41.0545, 0.3976, 0.2844



30.5633, 0.4083, 0.3435



11.2781, 0.3235, 0.3208



8.3913, 0.5544, 0.2828



0.4472, 0.4998, 0.2527

Inverse Universe

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



28.5747, 0.3774, 0.2917



41.0545, 0.3976, 0.2844



46.1033, 0.2552, 0.3135



11.2781, 0.3235, 0.3208



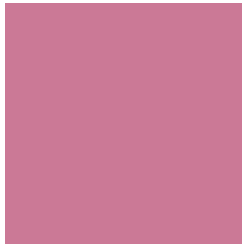
8.3913, 0.5544, 0.2828



0.4472, 0.4998, 0.2527

Previews

White Background



This preview shows how the Yxy color 28.5733, 0.3774, 0.2917 looks on a white background.

Color Contrast Check

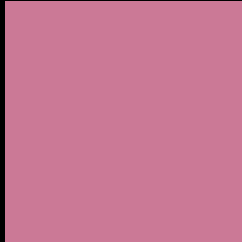
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5733, 0.3774, 0.2917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

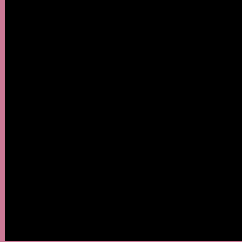
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5733, 0.3774, 0.2917

Background



This preview shows how black text looks on a background with the Yxy color 28.5733, 0.3774, 0.2917.



This preview shows how white text looks on a background with the Yxy color 28.5733, 0.3774, 0.2917.

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

28.5733, 0.3774, 0.2917

Protanopia

28.8071, 0.2920, 0.2978

Deuteranopia

28.5987, 0.3283, 0.3214



Tritanopia

28.5263, 0.3953, 0.3174

Trichromacy



Original Color

28.5733, 0.3774, 0.2917

Protanomaly

28.1457, 0.3198, 0.2935

Deuteranomaly

28.3869, 0.3464, 0.3103

Tritanomaly

28.5866, 0.3893, 0.3083

Monochromacy



Original Color

28.5733, 0.3774, 0.2917

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.0702, 0.3353, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5733, 0.3774, 0.2917 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(203, 121, 150)` looks like.

```
.text, #text, p{  
    color:rgb(203, 121, 150)  
}
```

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(203, 121, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 121, 150) }
```

Border

The CSS property to change the border of an element to Yxy 28.5733, 0.3774, 0.2917 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(203, 121, 150) }
```

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

```
.border{ border-color:rgb(203, 121, 150) }
```

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

Here you see how a box with a 4 pixel rgb(203, 121, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 121, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 121, 150);  
box-shadow:4px 4px 4px 4px rgb(203, 121,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5733, 0.3774, 0.2917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 121, 150) }
```

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

```
.background{ background-color: rgb(203,  
121, 150) }
```

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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