

Converting Colors

$Y_{xy}(27.8897, 0.3881, 0.2986)$

Have a look what the booklet for
Yxy(27.8897, 0.3881, 0.2986)
contains.

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Color

Yxy(27.8733, 0.3869, 0.2981)

Conversions

Conversions Part 1

Format	Color
Hex	CB778F
RGB	203, 119, 143
RGB Percent	80%, 47%, 56%
CMY	0.2040, 0.5332, 0.4393
CMYK	0.00, 0.41, 0.30, 0.20
HSL	343°, 45%, 63%
HSV	343°, 41%, 80%
XYZ	36.1764, 27.8733, 29.4535
YIQ	146.8520, 42.3600, 25.2720

Conversions

Conversions Part 2

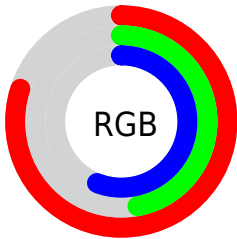
Format	Color
R_{YB}	203, 119, 143
Decimal	13334415
CIE _{Lab}	59.77, 35.74, 1.30
CIE _{LCh}	60, 35.764, 2.080
Yxy	27.8733, 0.3869, 0.2981
Android (android.graphics.Color)	4291524495 (0xFFCB778F)
YUV	146.8520, -1.8990, 49.2418
Hunter-Lab	52.7952, 29.9205, 3.8798

Details

The Yxy color **27.8733, 0.3869, 0.2981** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **49.8768, 0.2702, 0.3633**, and the grayscale version is **29.1093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.1784, 0.3652, 0.3041**, and **11.1276, 0.4137, 0.2864** is the 20% darker color. If you saturate the color by 10%, you get **23.1358, 0.4152, 0.2913**, and if you desaturate by 10%, it is **33.7020, 0.3631, 0.3057**.

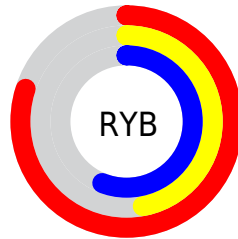
Distribution



Red (80%)

Green (47%)

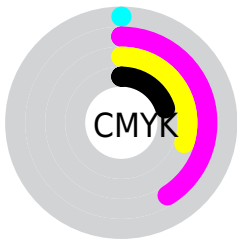
Blue (56%)



Red (80%)

Yellow (47%)

Blue (56%)

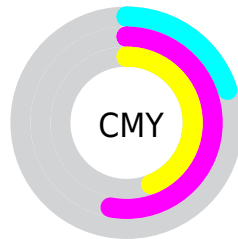


Cyan (0%)

Magenta (41%)

Yellow (30%)

Black (20%)



Cyan (20%)


Magenta (53%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8733, 0.3869, 0.2981 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 27.8733, 0.3869, 0.2981 by changing the saturation by 10% instead.


 27.8733, 0.3869,
0.2981


 27.8733, 0.3869,
0.2981

291.8610, 0.3466,
0.3150


 18.2302, 0.3981,
0.2933


 56.2821, 0.3714,
0.3046

 11.1154, 0.4133,
0.2869


 75.8166, 0.3659,
0.3070

 6.1445, 0.4348,
0.2776


 99.4169, 0.3613,
0.3089

 2.9331, 0.4677,
0.2633

127.4676, 0.3574,
0.3105

 1.0969, 0.5237,
0.2386

160.3529, 0.3541,
0.3119

 0.0000, 1.0000,
0.0000

198.4573, 0.3513,

 0.0000, 0.0000,

0.3131

0.0000

242.1652, 0.3488,
0.3141

■ 27.8733, 0.3869,
0.2981

■ 27.8733, 0.3869,
0.2981

■ 23.1358, 0.4152,
0.2913

■ 33.7020, 0.3631,
0.3057

■ 19.4170, 0.4480,
0.2860

■ 40.6804, 0.3434,
0.3135

■ 16.6419, 0.4841,
0.2835

■ 48.8673, 0.3274,
0.3210


■ 14.7236, 0.5214,
0.2849

■ 58.3168, 0.3143,
0.3281

■ 13.5583, 0.5565,
0.2908

■ 69.0793, 0.3036,
0.3347

 12.9972, 0.5829,
0.2985

 81.2025, 0.2950,
0.3407

 90.7752, 0.2876,
0.3399

 91.4324, 0.2821,
0.3289

Harmonies

Analogous

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



27.8733, 0.3285, 0.2620



27.8733, 0.3869, 0.2981



27.8733, 0.4248, 0.3425

Triad

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



27.8733, 0.3869, 0.2981



27.8733, 0.3472, 0.4372



27.8733, 0.2083, 0.2566

Complementary

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



27.8733, 0.3869, 0.2981



49.8768, 0.2702, 0.3633

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.



27.8733, 0.2121, 0.2989



27.8733, 0.3869, 0.2981



27.8733, 0.2892, 0.4129

Square

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



27.8733, 0.3869, 0.2981



27.8733, 0.3985, 0.4243



27.8733, 0.2404, 0.3580



27.8733, 0.2284, 0.2375

Rectangle

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



27.8733, 0.3869, 0.2981



27.8733, 0.4311, 0.3731



27.8733, 0.2404, 0.3580



27.8733, 0.2068, 0.2682

Sweetspot

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



27.8747, 0.3869, 0.2981



80.6774, 0.3285, 0.3204



26.9498, 0.2915, 0.2201



16.8589, 0.3305, 0.3194



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.



27.8747, 0.3869, 0.2981



39.2446, 0.4131, 0.2917



31.5809, 0.4084, 0.3512



11.2654, 0.3246, 0.3224



8.2877, 0.5794, 0.2965



0.4408, 0.5223, 0.2651

Inverse Universe

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



27.8747, 0.3869, 0.2981



39.2446, 0.4131, 0.2917



43.4284, 0.2527, 0.3050



11.2654, 0.3246, 0.3224



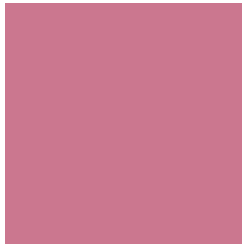
8.2877, 0.5794, 0.2965



0.4408, 0.5223, 0.2651

Previews

White Background



This preview shows how the Yxy color 27.8733, 0.3869, 0.2981 looks on a white background.

Color Contrast Check

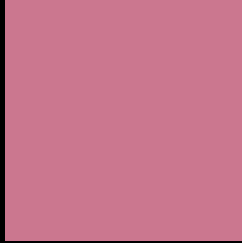
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8733, 0.3869, 0.2981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

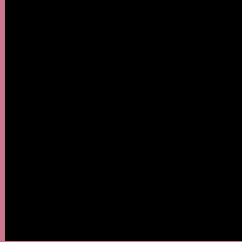
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8733, 0.3869, 0.2981

Background



This preview shows how black text looks on a background with the Yxy color 27.8733, 0.3869, 0.2981.



This preview shows how white text looks on a background with the Yxy color 27.8733, 0.3869, 0.2981.

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

27.8733, 0.3869, 0.2981

Protanopia

27.9189, 0.2993, 0.3068

Deuteranopia

28.0938, 0.3358, 0.3306



Tritanopia

27.8430, 0.4016, 0.3175

Trichromacy



Original Color

27.8733, 0.3869, 0.2981

Protanomaly

27.3165, 0.3285, 0.3020

Deuteranomaly

27.6261, 0.3549, 0.3174

Tritanomaly

27.7388, 0.3956, 0.3096

Monochromacy



Original Color

27.8733, 0.3869, 0.2981

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.1821, 0.3367, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8733, 0.3869, 0.2981 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, 119, 143)` looks like.

```
.text, #text, p{  
    color:rgb(203, 119, 143)  
}
```

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, 119, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 119, 143) }
```

Border

The CSS property to change the border of an element to Yxy 27.8733, 0.3869, 0.2981 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, 119, 143) }
```

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

```
.border{ border-color:rgb(203, 119, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 119, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 119, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 119, 143);  
box-shadow:4px 4px 4px 4px rgb(203, 119,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8733, 0.3869, 0.2981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 119, 143) }
```

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

```
.background{ background-color: rgb(203,  
119, 143) }
```

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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