

Converting Colors

$Y_{xy}(28.4564, 0.3079, 0.2306)$

Have a look what the booklet for
Yxy(28.4564, 0.3079, 0.2306)
contains.

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Color

Yxy(28.3290, 0.3078, 0.2301)

Conversions

Conversions Part 1

Format	Color
Hex	BD78C6
RGB	189, 120, 198
RGB Percent	74%, 47%, 78%
CMY	0.2588, 0.5294, 0.2236
CMYK	0.05, 0.39, 0.00, 0.22
HSL	293°, 41%, 62%
HSV	293°, 39%, 78%
XYZ	37.8951, 28.3290, 56.8919
YIQ	149.5230, 16.0860, 38.8860

Conversions

Conversions Part 2

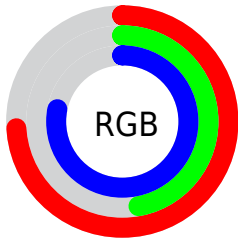
Format	Color
RYB	189, 120, 198
Decimal	12417222
CIELab	60.18, 39.62, -29.73
CIElCh	60, 49.537, 323.113
Yxy	28.3290, 0.3078, 0.2301
Android (android.graphics.Color)	4290607302 (0xFFBD78C6)
YUV	149.5230, 23.8992, 34.6213
Hunter-Lab	53.2250, 33.9446, -26.1173

Details

The Yxy color **28.3290, 0.3078, 0.2301** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **46.4078, 0.3136, 0.4460**, and the grayscale version is **30.1798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0849, 0.3093, 0.2480**, and **11.3382, 0.3034, 0.2024** is the 20% darker color. If you saturate the color by 10%, you get **23.7603, 0.3058, 0.2064**, and if you desaturate by 10%, it is **33.8894, 0.3095, 0.2552**.

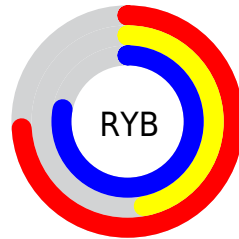
Distribution



Red (74%)

Green (47%)

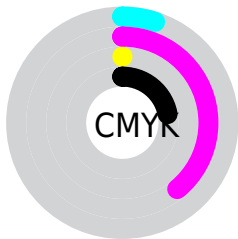
Blue (78%)



Red (74%)

Yellow (47%)

Blue (78%)

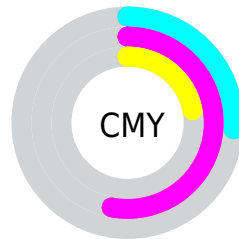


Cyan (5%)

Magenta (39%)

Yellow (0%)

Black (22%)



Cyan (26%)


Magenta (53%)


Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.3290, 0.3078, 0.2301 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 28.3290, 0.3078, 0.2301 by changing the saturation by 10% instead.

 28.3290, 0.3078,
0.2301


 28.3290, 0.3078,
0.2301


294.0357, 0.3119,
0.2792

 18.5738, 0.3062,
0.2181


 57.0093, 0.3097,
0.2478

 11.3627, 0.3039,
0.2029


 76.7032, 0.3103,
0.2545

 6.3114, 0.3001,
0.1832


 100.4787, 0.3107,
0.2602

 3.0353, 0.2938,
0.1567

128.7204, 0.3111,
0.2651

 1.1502, 0.2820,
0.1203

161.8125, 0.3114,
0.2693

 0.0205, 0.2748,
0.0056

200.1395, 0.3116,

 0.0000, 0.0000,

0.2730

0.0000

244.0858, 0.3118,
0.2763

■ 28.3290, 0.3078,
0.2301

■ 28.3290, 0.3078,
0.2301

■ 23.7603, 0.3058,
0.2064

■ 33.8894, 0.3095,
0.2552

■ 20.1184, 0.3034,
0.1852

■ 40.4936, 0.3109,
0.2808

■ 17.3365, 0.3008,
0.1673


■ 48.1946, 0.3120,
0.3061

■ 15.3374, 0.2979,
0.1535


■ 57.0408, 0.3128,
0.3305

■ 14.0300, 0.2950,
0.1441

■ 67.0774, 0.3133,
0.3535


 13.2526, 0.2921,
0.1385

 78.3476, 0.3136,
0.3749

 13.2102, 0.2919,
0.1382

 88.5731, 0.3141,
0.3911

 88.9001, 0.3155,
0.3908

 89.2318, 0.3169,
0.3906

Harmonies

Analogous

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



28.3290, 0.2358, 0.2088



28.3290, 0.3078, 0.2301



28.3290, 0.3917, 0.2712

Triad

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



28.3290, 0.3078, 0.2301



28.3290, 0.4419, 0.4406



28.3290, 0.1866, 0.3072

Complementary

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



28.3290, 0.3078, 0.2301



46.4078, 0.3136, 0.4460

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.



28.3290, 0.2307, 0.3950



28.3290, 0.3078, 0.2301



28.3290, 0.3778, 0.4774

Square

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



28.3290, 0.3078, 0.2301



28.3290, 0.4735, 0.3841



28.3290, 0.3005, 0.4650



28.3290, 0.1737, 0.2429

Rectangle

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



28.3290, 0.3078, 0.2301



28.3290, 0.4390, 0.3061



28.3290, 0.3005, 0.4650



28.3290, 0.1978, 0.3352

Sweetspot

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



28.3302, 0.3078, 0.2301



81.3436, 0.3117, 0.2991



23.7983, 0.2428, 0.2240



17.0152, 0.3116, 0.2958



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.



28.3302, 0.3078, 0.2301



43.3229, 0.3061, 0.2103



28.2698, 0.3500, 0.2668



10.7522, 0.3120, 0.3061



8.6156, 0.2923, 0.1384



0.4260, 0.2986, 0.1419

Inverse Universe

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



27.0239, 0.3987, 0.3172



40.7987, 0.4273, 0.3150



46.5771, 0.2881, 0.4013



10.6565, 0.3272, 0.3264



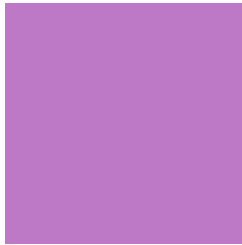
7.8540, 0.6246, 0.3214



0.3787, 0.5821, 0.2980

Previews

White Background



This preview shows how the Yxy color 28.3290, 0.3078, 0.2301 looks on a white background.

Color Contrast Check

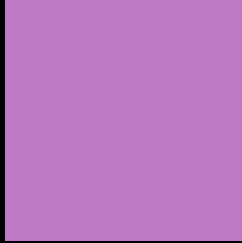
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3290, 0.3078, 0.2301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

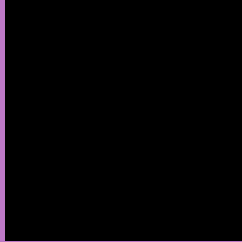
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3290, 0.3078, 0.2301

Background



This preview shows how black text looks on a background with the Yxy color 28.3290, 0.3078, 0.2301.



This preview shows how white text looks on a background with the Yxy color 28.3290, 0.3078, 0.2301.

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

28.3290, 0.3078, 0.2301

Protanopia

28.6677, 0.2358, 0.2245

Deuteranopia

28.5265, 0.2592, 0.2530



Tritanopia

28.2793, 0.3584, 0.3148

Trichromacy



Original Color

28.3290, 0.3078, 0.2301

Protanomaly

28.0424, 0.2580, 0.2259

Deuteranomaly

28.0404, 0.2751, 0.2437

Tritanomaly

28.2373, 0.3398, 0.2821

Monochromacy



Original Color

28.3290, 0.3078, 0.2301

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.1478, 0.3115, 0.2881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3290, 0.3078, 0.2301 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(189, 120, 198)` looks like.

```
.text, #text, p{  
    color:rgb(189, 120, 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(189, 120, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 120, 198) }
```

Border

The CSS property to change the border of an element to Yxy 28.3290, 0.3078, 0.2301 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(189, 120, 198) }
```

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

```
.border{ border-color:rgb(189, 120, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 120, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 120, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 120, 198);  
box-shadow:4px 4px 4px 4px rgb(189, 120,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3290, 0.3078, 0.2301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 120, 198) }
```

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

```
.background{ background-color: rgb(189,  
120, 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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