

Converting Colors

$Y_{xy}(27.0277, 0.3209, 0.2398)$

Have a look what the booklet for
Yxy(27.0277, 0.3209, 0.2398)
contains.

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Color

Yxy(27.0866, 0.3202, 0.2396)

Conversions

Conversions Part 1

Format	Color
Hex	BD75BA
RGB	189, 117, 186
RGB Percent	74%, 46%, 73%
CMY	0.2590, 0.5410, 0.2707
CMYK	0.00, 0.38, 0.02, 0.26
HSL	302°, 35%, 60%
HSV	302°, 38%, 74%
XYZ	36.1984, 27.0866, 49.7643
YIQ	146.3940, 20.7630, 36.7230

Conversions

Conversions Part 2

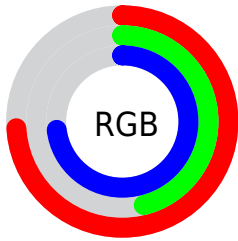
Format	Color
R _Y B	189, 117, 186
Decimal	12416442
CIE Lab	59.05, 38.92, -24.65
CIE LCh	59, 46.068, 327.646
Yxy	27.0866, 0.3202, 0.2396
Android (android.graphics.Color)	4290606522 (0xFFBD75BA)
YUV	146.3940, 19.5258, 37.3655
Hunter-Lab	52.0448, 33.0726, -20.2607

Details

The Yxy color **27.0866, 0.3202, 0.2396** is a light color, and the websafe version is hex **996699**. A complement of this color would be **41.5118, 0.3054, 0.4384**, and the grayscale version is **28.8280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7531, 0.3195, 0.2557**, and **10.6582, 0.3198, 0.2128** is the 20% darker color. If you saturate the color by 10%, you get **23.0856, 0.3223, 0.2180**, and if you desaturate by 10%, it is **31.9789, 0.3181, 0.2628**.

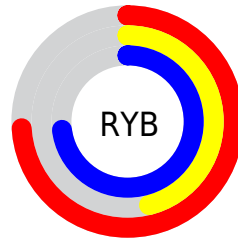
Distribution



Red (74%)

Green (46%)

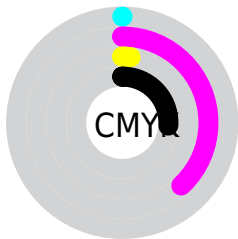
Blue (73%)



Red (74%)

Yellow (46%)

Blue (73%)

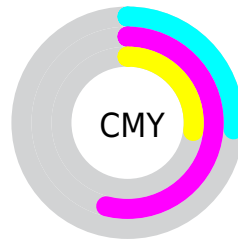


Cyan (0%)

Magenta (38%)

Yellow (2%)

Black (26%)



Cyan (26%)

Magenta (54%)

Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0866, 0.3202, 0.2396 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 27.0866, 0.3202, 0.2396 by changing the saturation by 10% instead.

 27.0866, 0.3202,
0.2396


 27.0866, 0.3202,
0.2396


288.0762, 0.3175,
0.2847

 17.6383, 0.3205,
0.2283


 55.0228, 0.3195,
0.2560

 10.6906, 0.3206,
0.2139


 74.2795, 0.3191,
0.2622

 5.8592, 0.3203,
0.1948


 97.5744, 0.3188,
0.2674

 2.7596, 0.3188,
0.1687

125.2919, 0.3185,
0.2719

 1.0076, 0.3143,
0.1314

157.8164, 0.3182,
0.2757

 0.0000, 0.3253,
0.0000

195.5324, 0.3180,

 0.0000, 0.0000,

0.2791

0.0000

238.8242, 0.3177,
0.2821

■ 27.0866, 0.3202,
0.2396

■ 27.0866, 0.3202,
0.2396

■ 23.0856, 0.3223,
0.2180

■ 31.9789, 0.3181,
0.2628

■ 19.9184, 0.3245,
0.1990

■ 37.8081, 0.3161,
0.2866

■ 17.5267, 0.3265,
0.1833


■ 44.6212, 0.3141,
0.3104

■ 15.8431, 0.3283,
0.1716

■ 52.4607, 0.3124,
0.3334

■ 14.7885, 0.3299,
0.1641

■ 61.3668, 0.3108,
0.3553


 14.2404, 0.3312,
0.1605

 71.3777, 0.3094,
0.3759

 14.1544, 0.3315,
0.1600

 82.5293, 0.3081,
0.3949

 86.1467, 0.3075,
0.3997

 86.1813, 0.3070,
0.3988

Harmonies

Analogous

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



27.0866, 0.2488, 0.2160



27.0866, 0.3202, 0.2396



27.0866, 0.3986, 0.2814

Triad

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



27.0866, 0.3202, 0.2396



27.0866, 0.4283, 0.4428



27.0866, 0.1889, 0.2979

Complementary

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



27.0866, 0.3202, 0.2396



41.5118, 0.3054, 0.4384

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.



27.0866, 0.2270, 0.3786



27.0866, 0.3202, 0.2396



27.0866, 0.3646, 0.4709

Square

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



27.0866, 0.3202, 0.2396



27.0866, 0.4633, 0.3911



27.0866, 0.2909, 0.4495



27.0866, 0.1808, 0.2412

Rectangle

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



27.0866, 0.3202, 0.2396



27.0866, 0.4399, 0.3159



27.0866, 0.2909, 0.4495



27.0866, 0.1983, 0.3232

Sweetspot

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



27.0878, 0.3202, 0.2396



75.9658, 0.3147, 0.3030



20.3563, 0.2459, 0.2157



15.9746, 0.3150, 0.2998



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.0878, 0.3202, 0.2396



42.2320, 0.3221, 0.2207



25.7646, 0.3614, 0.2831



9.6893, 0.3144, 0.3073



9.5327, 0.3314, 0.1599



0.3755, 0.3287, 0.1584

Inverse Universe

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



27.0878, 0.3202, 0.2396



42.2320, 0.3221, 0.2207



42.5354, 0.2817, 0.3806



9.6893, 0.3144, 0.3073



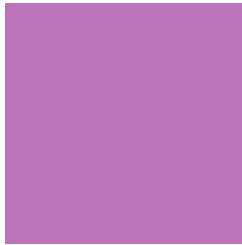
9.5327, 0.3314, 0.1599



0.3755, 0.3287, 0.1584

Previews

White Background



This preview shows how the Yxy color 27.0866, 0.3202, 0.2396 looks on a white background.

Color Contrast Check

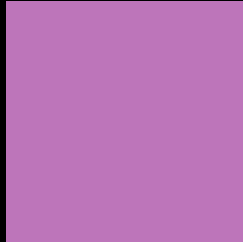
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0866, 0.3202, 0.2396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

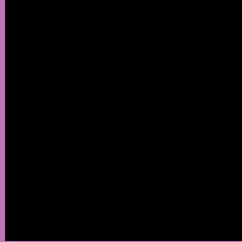
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.0866, 0.3202, 0.2396

Background



This preview shows how black text looks on a background with the Yxy color 27.0866, 0.3202, 0.2396.



This preview shows how white text looks on a background with the Yxy color 27.0866, 0.3202, 0.2396.

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

27.0866, 0.3202, 0.2396

Protanopia

27.2534, 0.2430, 0.2340

Deuteranopia

27.3678, 0.2705, 0.2647



Tritanopia

27.0522, 0.3682, 0.3149

Trichromacy



Original Color

27.0866, 0.3202, 0.2396

Protanomaly

26.6447, 0.2666, 0.2354

Deuteranomaly

26.8900, 0.2871, 0.2546

Tritanomaly

26.8468, 0.3500, 0.2847

Monochromacy



Original Color

27.0866, 0.3202, 0.2396

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.5825, 0.3156, 0.2902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0866, 0.3202, 0.2396 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, 117, 186)` looks like.

```
.text, #text, p{  
    color:rgb(189, 117, 186)  
}
```

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, 117, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 117, 186) }
```

Border

The CSS property to change the border of an element to Yxy 27.0866, 0.3202, 0.2396 is called "border". The border property can be set on classes, ids or directly on the HTML element.

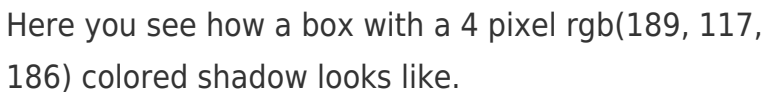
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 117, 186) }
```

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

```
.border{ border-color:rgb(189, 117, 186) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 117, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 117, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 117, 186); box-shadow:4px 4px 4px 4px rgb(189, 117, 186) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0866, 0.3202, 0.2396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 117, 186) }
```

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

```
.background{ background-color: rgb(189,  
117, 186) }
```

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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