

Converting Colors

$Y_{xy}(26.4401, 0.2990, 0.2138)$

Have a look what the booklet for
Yxy(26.4401, 0.2990, 0.2138)
contains.

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Color

Yxy(26.3871, 0.2989, 0.2135)

Conversions

Conversions Part 1

Format	Color
Hex	BA70CC
RGB	186, 112, 204
RGB Percent	73%, 44%, 80%
CMY	0.2706, 0.5608, 0.2001
CMYK	0.09, 0.45, 0.00, 0.20
HSL	288°, 47%, 62%
HSV	288°, 45%, 80%
XYZ	36.9419, 26.3871, 60.2639
YIQ	144.6140, 14.5720, 44.3000

Conversions

Conversions Part 2

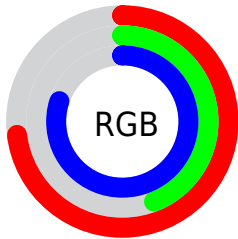
Format	Color
R _Y B	186, 112, 204
Decimal	12218572
CIE Lab	58.40, 44.19, -35.93
CIE LCh	58, 56.953, 320.888
Yxy	26.3871, 0.2989, 0.2135
Android (android.graphics.Color)	4290408652 (0xFFBA70CC)
YUV	144.6140, 29.2773, 36.2955
Hunter-Lab	51.3684, 38.4749, -33.5995

Details

The Yxy color **26.3871, 0.2989, 0.2135** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **49.0942, 0.3186, 0.4638**, and the grayscale version is **28.0265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.7255, 0.3079, 0.2398**, and **10.3327, 0.2920, 0.1834** is the 20% darker color. If you saturate the color by 10%, you get **21.8924, 0.2944, 0.1897**, and if you desaturate by 10%, it is **31.9176, 0.3029, 0.2391**.

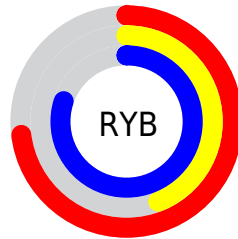
Distribution



Red (73%)

Green (44%)

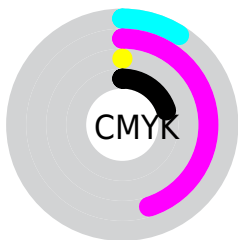
Blue (80%)



Red (73%)

Yellow (44%)

Blue (80%)

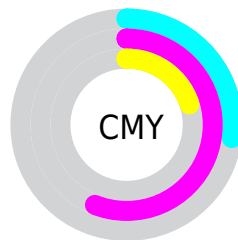


Cyan (9%)

Magenta (45%)

Yellow (0%)

Black (20%)



Cyan (27%)


Magenta (56%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.3871, 0.2989, 0.2135 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 26.3871, 0.2989, 0.2135 by changing the saturation by 10% instead.


 26.3871, 0.2989,
0.2135

 26.3871, 0.2989,
0.2135

284.6772, 0.3082,
0.2705


 17.1135, 0.2958,
0.1998


 53.8988, 0.3029,
0.2339

 10.3154, 0.2914,
0.1826


 72.9056, 0.3042,
0.2416

 5.6086, 0.2847,
0.1606


 95.9256, 0.3052,
0.2482

 2.6086, 0.2740,
0.1318

 123.3432, 0.3061,
0.2539

 0.9310, 0.2554,
0.0938

155.5427, 0.3068,
0.2589

 0.0000, 0.2301,
0.0000

192.9087, 0.3073,

 0.0000, 0.0000,

0.2632

0.0000

235.8253, 0.3078,
0.2671

■ 26.3871, 0.2989,
0.2135

■ 26.3871, 0.2989,
0.2135

■ 21.8924, 0.2944,
0.1897

■ 31.9176, 0.3029,
0.2391

■ 18.3603, 0.2896,
0.1686

■ 38.5438, 0.3064,
0.2654

■ 15.7133, 0.2844,
0.1513

■ 46.3251, 0.3093,
0.2914

■ 13.8603, 0.2792,
0.1384

■ 55.3154, 0.3117,
0.3167

■ 12.6902, 0.2740,
0.1300

■ 65.5656, 0.3136,
0.3405

■ 12.2627, 0.2715,
0.1270

■ 77.1231, 0.3151,
0.3628

■ 90.0334, 0.3163,
0.3833

■ 90.7703, 0.3188,
0.3830

■ 91.3922, 0.3213,
0.3826

Harmonies

Analogous

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



26.3871, 0.2186, 0.1913



26.3871, 0.2989, 0.2135



26.3871, 0.3979, 0.2578

Triad

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



26.3871, 0.2989, 0.2135



26.3871, 0.4641, 0.4493



26.3871, 0.1700, 0.3083

Complementary

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



26.3871, 0.2989, 0.2135



49.0942, 0.3186, 0.4638

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.



26.3871, 0.2214, 0.4153



26.3871, 0.2989, 0.2135



26.3871, 0.3907, 0.5002

Square

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



26.3871, 0.2989, 0.2135



26.3871, 0.5001, 0.3826



26.3871, 0.3023, 0.4962



26.3871, 0.1543, 0.2319

Rectangle

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



26.3871, 0.2989, 0.2135



26.3871, 0.4559, 0.2961



26.3871, 0.3023, 0.4962



26.3871, 0.1831, 0.3423

Sweetspot

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



26.3882, 0.2989, 0.2135



77.9999, 0.3095, 0.2938



23.8766, 0.2332, 0.2173



16.0477, 0.3089, 0.2881



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.



26.3882, 0.2989, 0.2135



36.5195, 0.2946, 0.1905



27.5753, 0.3484, 0.2491



11.2887, 0.3107, 0.3059



7.7587, 0.2723, 0.1273



0.4293, 0.2823, 0.1329

Inverse Universe

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



26.0365, 0.4082, 0.3061



36.0730, 0.4412, 0.3021



48.5061, 0.2899, 0.4264



11.2489, 0.3260, 0.3245



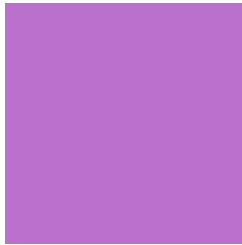
8.1865, 0.6070, 0.3117



0.4332, 0.5530, 0.2820

Previews

White Background



This preview shows how the Yxy color 26.3871, 0.2989, 0.2135 looks on a white background.

Color Contrast Check

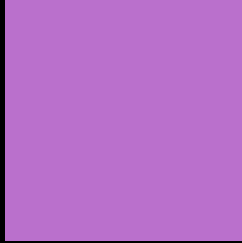
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.3871, 0.2989, 0.2135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

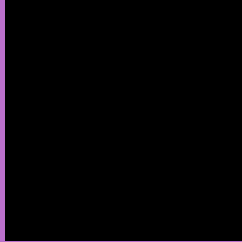
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.3871, 0.2989, 0.2135

Background



This preview shows how black text looks on a background with the Yxy color 26.3871, 0.2989, 0.2135.



This preview shows how white text looks on a background with the Yxy color 26.3871, 0.2989, 0.2135.

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

26.3871, 0.2989, 0.2135

Protanopia

26.7937, 0.2200, 0.2041

Deuteranopia

26.5818, 0.2445, 0.2382



Tritanopia

26.3320, 0.3611, 0.3145

Trichromacy



Original Color

26.3871, 0.2989, 0.2135

Protanomaly

25.9967, 0.2426, 0.2057

Deuteranomaly

25.8469, 0.2613, 0.2259

Tritanomaly

26.1956, 0.3374, 0.2743

Monochromacy



Original Color

26.3871, 0.2989, 0.2135

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.0018, 0.3085, 0.2798

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.3871, 0.2989, 0.2135 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(186, 112, 204)` looks like.

```
.text, #text, p{  
    color:rgb(186, 112, 204)  
}
```

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(186, 112, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 112, 204) }
```

Border

The CSS property to change the border of an element to Yxy 26.3871, 0.2989, 0.2135 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(186, 112, 204) }
```

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

```
.border{ border-color:rgb(186, 112, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 112, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 112, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 112, 204);  
box-shadow:4px 4px 4px 4px rgb(186, 112,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 26.3871, 0.2989, 0.2135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 112, 204) }
```

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

```
.background{ background-color: rgb(186,  
112, 204) }
```

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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