

Converting Colors

$Y_{xy}(26.3844, 0.2715, 0.1805)$

Have a look what the booklet for
Yxy(26.3844, 0.2715, 0.1805)
contains.

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Color

Yxy(26.3816, 0.2712, 0.1806)

Conversions

Conversions Part 1

Format	Color
Hex	B86AE9
RGB	184, 106, 233
RGB Percent	72%, 42%, 91%
CMY	0.2787, 0.5841, 0.0864
CMYK	0.21, 0.54, 0.00, 0.09
HSL	277°, 74%, 66%
HSV	277°, 54%, 91%
XYZ	39.6162, 26.3816, 80.0797
YIQ	143.8000, 5.7210, 56.0330

Conversions

Conversions Part 2

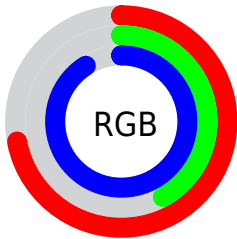
Format	Color
RYB	184, 106, 233
Decimal	12085993
CIELab	58.40, 52.81, -52.26
CIELCh	58, 74.298, 315.302
Yxy	26.3816, 0.2712, 0.1806
Android (android.graphics.Color)	4290276073 (0xFFB86AE9)
YUV	143.8000, 43.9756, 35.2554
Hunter-Lab	51.3630, 47.7915, -56.4845

Details

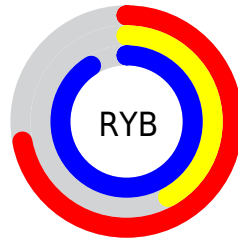
The Yxy color **26.3816, 0.2712, 0.1806** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **66.2849, 0.3338, 0.4888**, and the grayscale version is **27.6263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2389, 0.3064, 0.2335**, and **10.4019, 0.2550, 0.1461** is the 20% darker color. If you saturate the color by 10%, you get **21.1372, 0.2609, 0.1556**, and if you desaturate by 10%, it is **33.0030, 0.2809, 0.2080**.

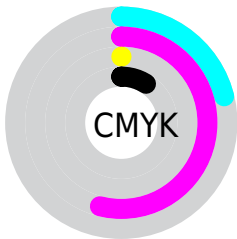
Distribution



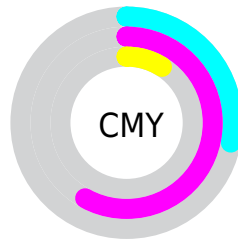
- Red (72%)
- Green (42%)
- Blue (91%)



- Red (72%)
- Yellow (42%)
- Blue (91%)



- Cyan (21%)
- Magenta (54%)
- Yellow (0%)
- Black (9%)





- Cyan (28%)
- Magenta (58%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.3816, 0.2712, 0.1806 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 26.3816, 0.2712, 0.1806 by changing the saturation by 10% instead.


 26.3816, 0.2712,
0.1806


 26.3816, 0.2712,
0.1806

284.6503, 0.2957,
0.2507


 17.1093, 0.2642,
0.1648


 53.8899, 0.2808,
0.2049


 10.3125, 0.2549,
0.1458


 72.8948, 0.2842,
0.2144

 5.6066, 0.2419,
0.1225


 95.9126, 0.2870,
0.2225

 2.6074, 0.2233,
0.0942

 123.3278, 0.2893,
0.2297

 0.9304, 0.1953,
0.0606

155.5248, 0.2913,
0.2359

 0.0000, 0.1560,
0.0000

192.8879, 0.2930,

 0.0000, 0.0229,

0.2414

0.0000

235.8017, 0.2944,
0.2463

0.0000, 0.0000,
0.0000

26.3816, 0.2712,
0.1806

26.3816, 0.2712,
0.1806

21.1372, 0.2609,
0.1556

33.0030, 0.2809,
0.2080

17.1570, 0.2503,
0.1342

41.0958, 0.2898,
0.2364

14.3152, 0.2399,
0.1175

50.7494, 0.2977,
0.2648

12.4566, 0.2301,
0.1060


62.0450, 0.3046,
0.2922

11.7195, 0.2249,
0.1013

75.0582, 0.3104,
0.3180

 89.8597, 0.3153,
0.3420

 97.1664, 0.3205,
0.3506

 98.6621, 0.3256,
0.3503

Harmonies

Analogous

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



26.3816, 0.1815, 0.1598



26.3816, 0.2712, 0.1806



26.3816, 0.3975, 0.2280

Triad

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



26.3816, 0.2712, 0.1806



26.3816, 0.5080, 0.4503



26.3816, 0.1429, 0.3212

Complementary

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



26.3816, 0.2712, 0.1806



66.2849, 0.3338, 0.4888

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.



26.3816, 0.2094, 0.4717



26.3816, 0.2712, 0.1806



26.3816, 0.4184, 0.5319

Square

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



26.3816, 0.2712, 0.1806



26.3816, 0.5503, 0.3681



26.3816, 0.3111, 0.5616



26.3816, 0.1206, 0.2164

Rectangle

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



26.3816, 0.2712, 0.1806



26.3816, 0.4795, 0.2706



26.3816, 0.3111, 0.5616



26.3816, 0.1599, 0.3696

Sweetspot

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



26.3826, 0.2712, 0.1806



73.8067, 0.3035, 0.2879



33.0017, 0.2217, 0.2239



15.1621, 0.3022, 0.2823



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.



26.3826, 0.2712, 0.1806



25.4786, 0.2600, 0.1536



32.8201, 0.3314, 0.2103



15.0065, 0.3076, 0.3053



6.7247, 0.2263, 0.1021



0.5832, 0.2393, 0.1092

Inverse Universe

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



30.0069, 0.4093, 0.2749



30.7557, 0.4405, 0.2677



62.6592, 0.2988, 0.4876



15.1504, 0.3232, 0.3199



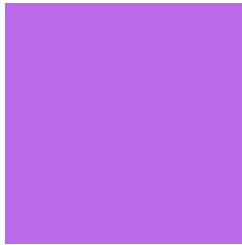
10.2713, 0.5430, 0.2765



0.8249, 0.5058, 0.2560

Previews

White Background



This preview shows how the Yxy color 26.3816, 0.2712, 0.1806 looks on a white background.

Color Contrast Check

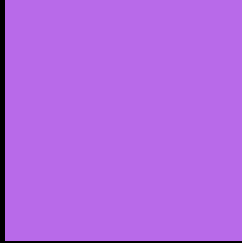
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.3816, 0.2712, 0.1806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

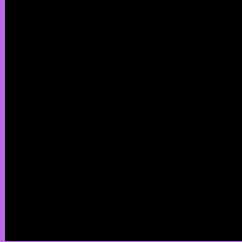
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.3816, 0.2712, 0.1806

Background



This preview shows how black text looks on a background with the Yxy color 26.3816, 0.2712, 0.1806.

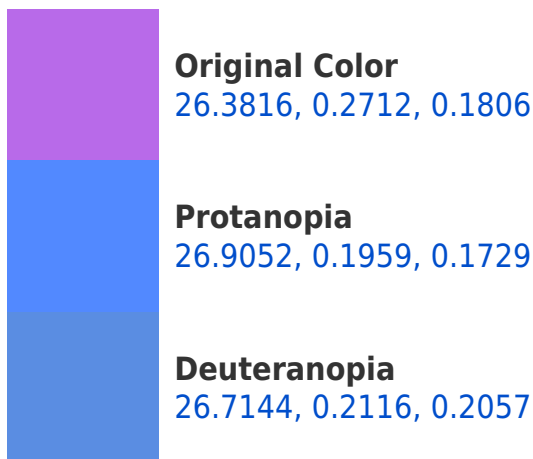


This preview shows how white text looks on a background with the Yxy color 26.3816, 0.2712, 0.1806.

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





Tritanopia

26.2937, 0.3473, 0.3140

Trichromacy



Original Color

26.3816, 0.2712, 0.1806

Protanomaly

25.5590, 0.2143, 0.1719

Deuteranomaly

25.3806, 0.2269, 0.1908

Tritanomaly

25.7294, 0.3162, 0.2548

Monochromacy



Original Color

26.3816, 0.2712, 0.1806

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

26.4708, 0.2976, 0.2616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.3816, 0.2712, 0.1806 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(184, 106, 233)` looks like.

```
.text, #text, p{  
    color:rgb(184, 106, 233)  
}
```

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(184, 106, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 106, 233) }
```

Border

The CSS property to change the border of an element to Yxy 26.3816, 0.2712, 0.1806 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(184, 106, 233) }
```

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

```
.border{ border-color:rgb(184, 106, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 106, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 106, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 106, 233);  
box-shadow:4px 4px 4px 4px rgb(184, 106,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 26.3816, 0.2712, 0.1806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 106, 233) }
```

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

```
.background{ background-color: rgb(184,  
106, 233) }
```

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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