

Converting Colors

$Y_{xy}(26.9308, 0.2580, 0.1887)$

Have a look what the booklet for
Yxy(26.9308, 0.2580, 0.1887)
contains.

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Color

Yxy(26.9419, 0.2583, 0.1889)

Conversions

Conversions Part 1

Format	Color
Hex	A776E7
RGB	167, 118, 231
RGB Percent	65%, 46%, 91%
CMY	0.3450, 0.5373, 0.0942
CMYK	0.28, 0.49, 0.00, 0.09
HSL	266°, 70%, 68%
HSV	266°, 49%, 91%
XYZ	36.8401, 26.9419, 78.8432
YIQ	145.5330, -7.0690, 45.5310

Conversions

Conversions Part 2

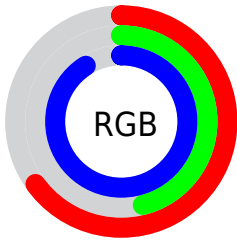
Format	Color
RYB	167, 118, 231
Decimal	10974951
CIELab	58.92, 41.62, -50.42
CIELCh	59, 65.383, 309.538
Yxy	26.9419, 0.2583, 0.1889
Android (android.graphics.Color)	4289165031 (0xFFA776E7)
YUV	145.5330, 42.1352, 18.8266
Hunter-Lab	51.9056, 35.8559, -53.7260

Details

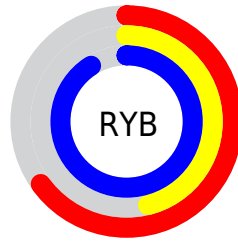
The Yxy color **26.9419, 0.2583, 0.1889** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **68.3860, 0.3474, 0.4647**, and the grayscale version is **28.3722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1931, 0.2921, 0.2406**, and **10.6741, 0.2393, 0.1549** is the 20% darker color. If you saturate the color by 10%, you get **20.8001, 0.2438, 0.1593**, and if you desaturate by 10%, it is **34.5614, 0.2720, 0.2196**.

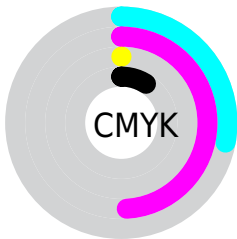
Distribution



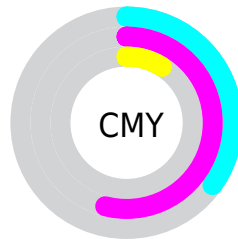
- Red (65%)
- Green (46%)
- Blue (91%)



- Red (65%)
- Yellow (46%)
- Blue (91%)



- Cyan (28%)
- Magenta (49%)
- Yellow (0%)
- Black (9%)





- Cyan (35%)
- Magenta (54%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.9419, 0.2583, 0.1889 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 26.9419, 0.2583, 0.1889 by changing the saturation by 10% instead.


 26.9419, 0.2583,
0.1889


 26.9419, 0.2583,
0.1889

287.3757, 0.2888,
0.2561


 17.5296, 0.2500,
0.1735


 54.7906, 0.2700,
0.2124

 10.6128, 0.2390,
0.1547


 73.9958, 0.2742,
0.2215

 5.8071, 0.2241,
0.1315


 97.2341, 0.2777,
0.2293

 2.7281, 0.2031,
0.1028

124.8899, 0.2806,
0.2361

 0.9915, 0.1725,
0.0679

157.3475, 0.2831,
0.2421

 0.0000, 0.1308,
0.0000

194.9915, 0.2853,

 0.0000, 0.0000,

0.2473

0.0000

238.2061, 0.2871,
0.2520

■ 26.9419, 0.2583,
0.1889

■ 26.9419, 0.2583,
0.1889

■ 20.8001, 0.2438,
0.1593

■ 34.5614, 0.2720,
0.2196

■ 16.0296, 0.2290,
0.1325

■ 43.7486, 0.2845,
0.2501

■ 12.5144, 0.2146,
0.1102

■ 54.5896, 0.2956,
0.2793

■ 10.1165, 0.2014,
0.0934

■ 67.1634, 0.3053,
0.3066

■ 8.6277, 0.1899,
0.0824

■ 81.5437, 0.3136,
0.3316

■ 8.4914, 0.1888,
0.0814

■ 96.7856, 0.3207,
0.3527

■ 98.5483, 0.3268,
0.3523

Harmonies

Analogous

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



26.9419, 0.1835, 0.1749



26.9419, 0.2583, 0.1889



26.9419, 0.3658, 0.2285

Triad

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



26.9419, 0.2583, 0.1889



26.9419, 0.5019, 0.4301



26.9419, 0.1696, 0.3480

Complementary

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



26.9419, 0.2583, 0.1889



68.3860, 0.3474, 0.4647

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.



26.9419, 0.2394, 0.4733



26.9419, 0.2583, 0.1889



26.9419, 0.4301, 0.5013

Square

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



26.9419, 0.2583, 0.1889



26.9419, 0.5231, 0.3561



26.9419, 0.3351, 0.5333



26.9419, 0.1397, 0.2446

Rectangle

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



26.9419, 0.2583, 0.1889



26.9419, 0.4401, 0.2663



26.9419, 0.3351, 0.5333



26.9419, 0.1885, 0.3910

Sweetspot

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



26.9429, 0.2583, 0.1889



74.0995, 0.2995, 0.2900



43.0834, 0.2361, 0.2634



15.1688, 0.2974, 0.2841



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.



26.9429, 0.2583, 0.1889



25.7603, 0.2432, 0.1582



34.4832, 0.3110, 0.2084



14.1915, 0.3048, 0.3052



4.8317, 0.1904, 0.0823



0.4111, 0.2068, 0.0913

Inverse Universe

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



33.3165, 0.3701, 0.2576



34.9766, 0.3886, 0.2448



62.8473, 0.3097, 0.4821



14.5040, 0.3204, 0.3158



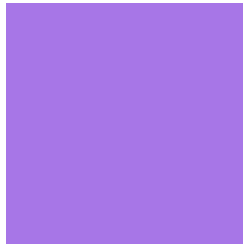
10.4645, 0.4676, 0.2350



0.7919, 0.4403, 0.2199

Previews

White Background



This preview shows how the Yxy color 26.9419, 0.2583, 0.1889 looks on a white background.

Color Contrast Check

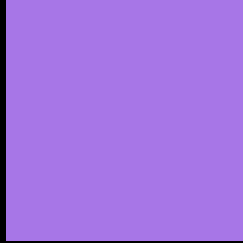
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.9419, 0.2583, 0.1889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

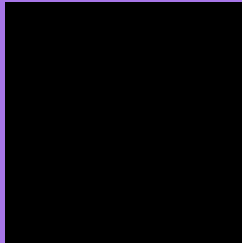
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.9419, 0.2583, 0.1889

Background



This preview shows how black text looks on a background with the Yxy color 26.9419, 0.2583, 0.1889.

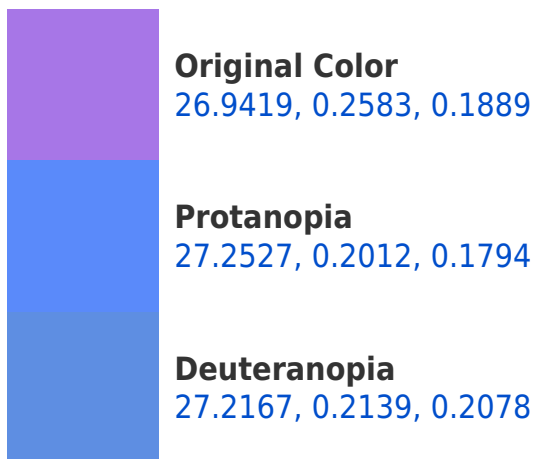


This preview shows how white text looks on a background with the Yxy color 26.9419, 0.2583, 0.1889.

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

26.9905, 0.3178, 0.3133

Trichromacy



Original Color

26.9419, 0.2583, 0.1889



Protanomaly

26.5552, 0.2167, 0.1812



Deuteranomaly

26.4414, 0.2266, 0.1979



Tritanomaly

26.6151, 0.2937, 0.2601

Monochromacy



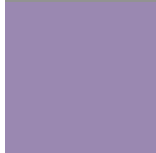
Original Color

26.9419, 0.2583, 0.1889



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.6527, 0.2917, 0.2683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9419, 0.2583, 0.1889 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(167, 118, 231)` looks like.

```
.text, #text, p{  
    color:rgb(167, 118, 231)  
}
```

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(167, 118, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 118, 231) }
```

Border

The CSS property to change the border of an element to Yxy 26.9419, 0.2583, 0.1889 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(167, 118, 231) }
```

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

```
.border{ border-color:rgb(167, 118, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 118, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 118, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 118, 231);  
box-shadow:4px 4px 4px 4px rgb(167, 118,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9419, 0.2583, 0.1889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 118, 231) }
```

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

```
.background{ background-color: rgb(167,  
118, 231) }
```

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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