

Converting Colors

$Y_{xy}(28.9773, 0.2426, 0.1870)$

Have a look what the booklet for
Yxy(28.9773, 0.2426, 0.1870)
contains.

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Color

Yxy(28.9773, 0.2426, 0.1870)

Conversions

Conversions Part 1

Format	Color
Hex	9C80F3
RGB	156, 128, 243
RGB Percent	61%, 50%, 95%
CMY	0.3885, 0.4979, 0.0471
CMYK	0.36, 0.47, 0.00, 0.05
HSL	255°, 83%, 73%
HSV	255°, 47%, 95%
XYZ	37.5930, 28.9773, 88.3885
YIQ	149.4820, -20.2270, 41.7010

Conversions

Conversions Part 2

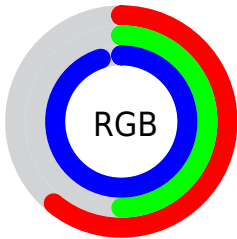
Format	Color
R _Y B	156, 128, 243
Decimal	10256627
CIE Lab	60.76, 36.15, -54.22
CIE LCh	61, 65.170, 303.694
Yxy	28.9773, 0.2426, 0.1870
Android (android.graphics.Color)	4288446707 (0xFF9C80F3)
YUV	149.4820, 46.1044, 5.7163
Hunter-Lab	53.8306, 30.4534, -59.6714

Details

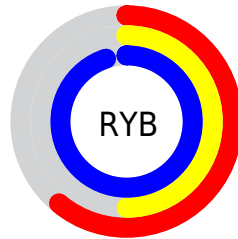
The Yxy color **28.9773, 0.2426, 0.1870** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **80.1091, 0.3623, 0.4535**, and the grayscale version is **30.0753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.5639, 0.2849, 0.2495**, and **11.7033, 0.2205, 0.1532** is the 20% darker color. If you saturate the color by 10%, you get **21.6807, 0.2242, 0.1543**, and if you desaturate by 10%, it is **38.0717, 0.2603, 0.2203**.

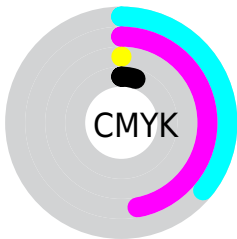
Distribution



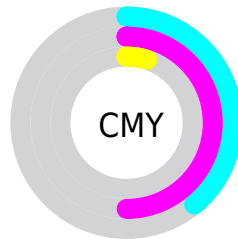
- Red (61%)
- Green (50%)
- Blue (95%)



- Red (61%)
- Yellow (50%)
- Blue (95%)



- Cyan (36%)
- Magenta (47%)
- Yellow (0%)
- Black (5%)



- Cyan (39%)
- Magenta (50%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9773, 0.2426, 0.1870 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 28.9773, 0.2426, 0.1870 by changing the saturation by 10% instead.


 28.9773, 0.2426,
0.1870


 28.9773, 0.2426,
0.1870


297.1078, 0.2802,
0.2545


 19.0636, 0.2328,
0.1718


 58.0410, 0.2566,
0.2104

 11.7163, 0.2203,
0.1533


 77.9599, 0.2618,
0.2195

 6.5508, 0.2037,
0.1307


 101.9826, 0.2662,
0.2274

 3.1828, 0.1812,
0.1029

130.4936, 0.2698,
0.2343

 1.2279, 0.1500,
0.0696

163.8772, 0.2730,
0.2403

 0.0843, 0.1092,
0.0095

202.5178, 0.2757,

 0.0000, 0.0000,

0.2456

0.0000

246.7999, 0.2781,
0.2503

■ 28.9773, 0.2426,
0.1870

■ 28.9773, 0.2426,
0.1870

■ 21.6807, 0.2242,
0.1543

■ 38.0717, 0.2603,
0.2203

■ 16.0561, 0.2062,
0.1243

■ 49.0715, 0.2767,
0.2526

■ 11.9662, 0.1895,
0.0991

■ 62.0797, 0.2914,
0.2829

■ 9.2496, 0.1755,
0.0805

■ 77.1906, 0.3044,
0.3106

■ 7.6989, 0.1648,
0.0691

■ 94.4928, 0.3156,
0.3354

■ 7.3981, 0.1625,
0.0669

■ 99.2498, 0.3197,
0.3405

Harmonies

Analogous

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



28.9773, 0.1763, 0.1786



28.9773, 0.2426, 0.1870



28.9773, 0.3428, 0.2214

Triad

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



28.9773, 0.2426, 0.1870



28.9773, 0.5066, 0.4147



28.9773, 0.1833, 0.3719

Complementary

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



28.9773, 0.2426, 0.1870



80.1091, 0.3623, 0.4535

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.



28.9773, 0.2587, 0.4876



28.9773, 0.2426, 0.1870



28.9773, 0.4445, 0.4859

Square

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



28.9773, 0.2426, 0.1870



28.9773, 0.5138, 0.3429



28.9773, 0.3543, 0.5275



28.9773, 0.1461, 0.2630

Rectangle

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



28.9773, 0.2426, 0.1870



28.9773, 0.4167, 0.2564



28.9773, 0.3543, 0.5275



28.9773, 0.2046, 0.4139

Sweetspot

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



28.9784, 0.2426, 0.1870



74.5274, 0.2959, 0.2923



60.2553, 0.2439, 0.2958



15.2023, 0.2930, 0.2861



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.



28.9784, 0.2426, 0.1870



24.3084, 0.2245, 0.1548



35.9639, 0.2904, 0.2042



16.1208, 0.3017, 0.3048



4.1131, 0.1637, 0.0676



0.4074, 0.1758, 0.0742

Inverse Universe

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



39.4102, 0.3445, 0.2384



37.4898, 0.3535, 0.2221



72.9872, 0.3236, 0.4707



16.6955, 0.3175, 0.3112



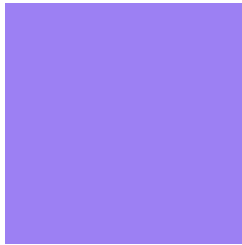
12.3806, 0.3937, 0.1943



1.1042, 0.3826, 0.1881

Previews

White Background



This preview shows how the Yxy color 28.9773, 0.2426, 0.1870 looks on a white background.

Color Contrast Check

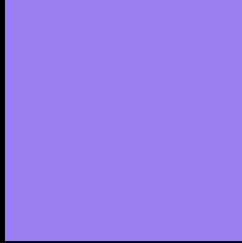
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9773, 0.2426, 0.1870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

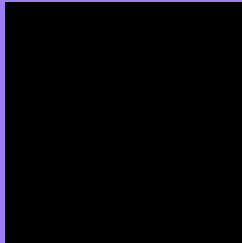
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9773, 0.2426, 0.1870

Background



This preview shows how black text looks on a background with the Yxy color 28.9773, 0.2426, 0.1870.



This preview shows how white text looks on a background with the Yxy color 28.9773, 0.2426, 0.1870.

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

28.9773, 0.2426, 0.1870

Protanopia

29.3517, 0.2036, 0.1828

Deuteranopia

29.2233, 0.2077, 0.2014



Tritanopia

29.0863, 0.2926, 0.3114

Trichromacy



Original Color

28.9773, 0.2426, 0.1870

Protanomaly

28.9935, 0.2150, 0.1835

Deuteranomaly

28.5581, 0.2175, 0.1946

Tritanomaly

28.7872, 0.2724, 0.2571

Monochromacy



Original Color

28.9773, 0.2426, 0.1870

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.1441, 0.2847, 0.2675

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9773, 0.2426, 0.1870 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(156, 128, 243)` looks like.

```
.text, #text, p{  
    color:rgb(156, 128, 243)  
}
```

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(156, 128, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 128, 243) }
```

Border

The CSS property to change the border of an element to Yxy 28.9773, 0.2426, 0.1870 is called "border". The border property can be set on classes, ids or directly on the HTML element.

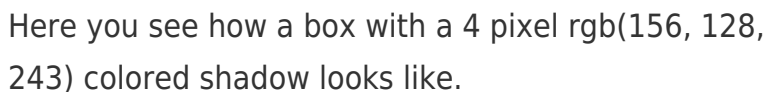
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 128, 243) }
```

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

```
.border{ border-color:rgb(156, 128, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(156, 128, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 128, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 128, 243); box-shadow:4px 4px 4px 4px rgb(156, 128, 243) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9773, 0.2426, 0.1870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 128, 243) }
```

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

```
.background{ background-color: rgb(156,  
128, 243) }
```

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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