

Converting Colors

$Y_{xy}(28.1233, 0.2669, 0.1969)$

Have a look what the booklet for
Yxy(28.1233, 0.2669, 0.1969)
contains.

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Color

Yxy(28.2749, 0.2670, 0.1972)

Conversions

Conversions Part 1

Format	Color
Hex	AE79E4
RGB	174, 121, 228
RGB Percent	68%, 47%, 89%
CMY	0.3179, 0.5253, 0.1060
CMYK	0.24, 0.47, 0.00, 0.11
HSL	270°, 66%, 68%
HSV	270°, 47%, 89%
XYZ	38.2830, 28.2749, 76.8240
YIQ	149.0450, -2.7590, 44.5130

Conversions

Conversions Part 2

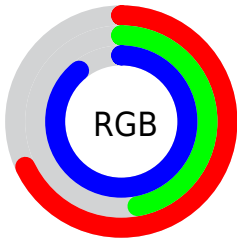
Format	Color
RYB	174, 121, 228
Decimal	11434468
CIELab	60.14, 41.08, -46.78
CIElCh	60, 62.258, 311.288
Yxy	28.2749, 0.2670, 0.1972
Android (android.graphics.Color)	4289624548 (0xFFAE79E4)
YUV	149.0450, 38.9248, 21.8855
Hunter-Lab	53.1741, 35.4571, -48.4380

Details

The Yxy color $28.2749, 0.2670, 0.1972$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $65.9816, 0.3416, 0.4610$, and the grayscale version is $29.9094, 0.3127, 0.3290$.

A 20% lighter version of the original color is $54.4810, 0.2976, 0.2451$, and $11.4070, 0.2507, 0.1652$ is the 20% darker color. If you saturate the color by 10%, you get $22.1058, 0.2540, 0.1683$, and if you desaturate by 10%, it is $35.8691, 0.2790, 0.2271$.

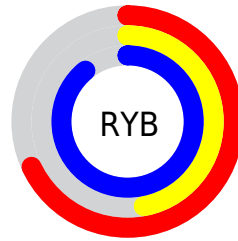
Distribution



Red (68%)

Green (47%)

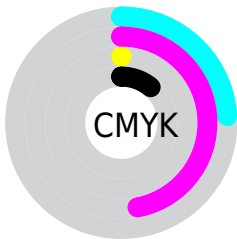
Blue (89%)



Red (68%)

Yellow (47%)

Blue (89%)

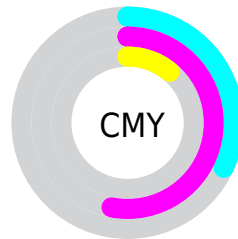


Cyan (24%)

Magenta (47%)

Yellow (0%)

Black (11%)



Cyan (32%)


Magenta (53%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2749, 0.2670, 0.1972 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 28.2749, 0.2670, 0.1972 by changing the saturation by 10% instead.


 28.2749, 0.2670,
0.1972


 28.2749, 0.2670,
0.1972


293.7782, 0.2928,
0.2606


 18.5330, 0.2599,
0.1826


 56.9230, 0.2769,
0.2194

 11.3333, 0.2504,
0.1646


 76.5980, 0.2805,
0.2280

 6.2915, 0.2375,
0.1422


 100.3529, 0.2835,
0.2354

 3.0231, 0.2189,
0.1141

128.5719, 0.2859,
0.2418

 1.1438, 0.1912,
0.0792

161.6396, 0.2880,
0.2474

 0.0151, 0.1538,
0.0023

199.9402, 0.2898,

 0.0000, 0.0000,

0.2523

0.0000

243.8583, 0.2914,
0.2567

■ 28.2749, 0.2670,
0.1972

■ 28.2749, 0.2670,
0.1972

■ 22.1058, 0.2540,
0.1683

■ 35.8691, 0.2790,
0.2271

■ 17.2618, 0.2406,
0.1418

■ 44.9721, 0.2899,
0.2568

■ 13.6351, 0.2273,
0.1193

■ 55.6652, 0.2995,
0.2852

■ 11.0985, 0.2147,
0.1021

■ 68.0227, 0.3077,
0.3119

■ 9.4887, 0.2033,
0.0905

■ 82.1141, 0.3148,
0.3363

9.0953, 0.2000,
0.0875

96.1867, 0.3209,
0.3558

98.3022, 0.3283,
0.3552

98.3804, 0.3286,
0.3552

Harmonies

Analogous

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



28.2749, 0.1933, 0.1823



28.2749, 0.2670, 0.1972



28.2749, 0.3693, 0.2366

Triad

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



28.2749, 0.2670, 0.1972



28.2749, 0.4898, 0.4316



28.2749, 0.1747, 0.3409

Complementary

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



28.2749, 0.2670, 0.1972



65.9816, 0.3416, 0.4610

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.



28.2749, 0.2398, 0.4570



28.2749, 0.2670, 0.1972



28.2749, 0.4211, 0.4963

Square

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



28.2749, 0.2670, 0.1972



28.2749, 0.5116, 0.3609



28.2749, 0.3303, 0.5190



28.2749, 0.1475, 0.2461

Rectangle

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



28.2749, 0.2670, 0.1972



28.2749, 0.4379, 0.2736



28.2749, 0.3303, 0.5190



28.2749, 0.1923, 0.3803

Sweetspot

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



28.2760, 0.2670, 0.1972



76.0369, 0.3019, 0.2929



40.8338, 0.2378, 0.2591



15.5679, 0.3001, 0.2870



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.



28.2760, 0.2670, 0.1972



28.8990, 0.2548, 0.1698



35.4857, 0.3163, 0.2148



14.2354, 0.3057, 0.3053



5.3233, 0.2015, 0.0884



0.4486, 0.2174, 0.0971

Inverse Universe

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



33.2739, 0.3744, 0.2674



36.3687, 0.3933, 0.2566



61.0554, 0.3068, 0.4762



14.4889, 0.3214, 0.3172



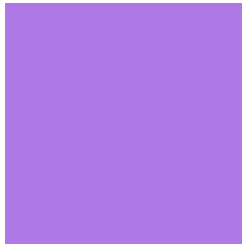
10.2660, 0.4931, 0.2490



0.7774, 0.4612, 0.2314

Previews

White Background



This preview shows how the Yxy color 28.2749, 0.2670, 0.1972 looks on a white background.

Color Contrast Check

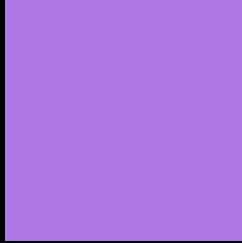
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2749, 0.2670, 0.1972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

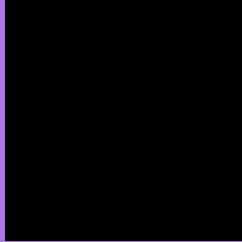
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2749, 0.2670, 0.1972

Background



This preview shows how black text looks on a background with the Yxy color 28.2749, 0.2670, 0.1972.

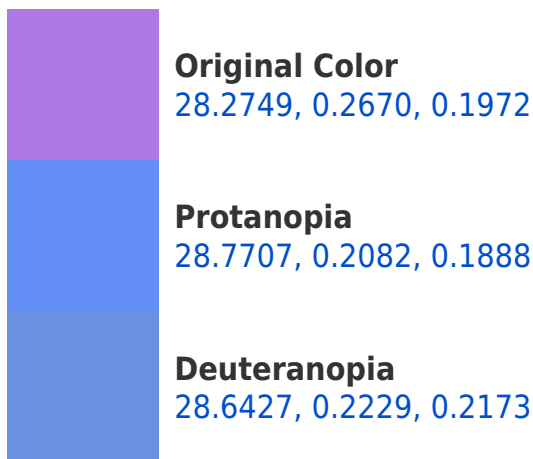


This preview shows how white text looks on a background with the Yxy color 28.2749, 0.2670, 0.1972.

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

28.1408, 0.3244, 0.3123

Trichromacy



Original Color

28.2749, 0.2670, 0.1972



Protanomaly

27.8535, 0.2246, 0.1896



Deuteranomaly

27.8699, 0.2360, 0.2071



Tritanomaly

27.7162, 0.3020, 0.2632

Monochromacy



Original Color

28.2749, 0.2670, 0.1972



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.9487, 0.2949, 0.2721

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2749, 0.2670, 0.1972 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(174, 121, 228)` looks like.

```
.text, #text, p{  
    color:rgb(174, 121, 228)  
}
```

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(174, 121, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 121, 228) }
```

Border

The CSS property to change the border of an element to Yxy 28.2749, 0.2670, 0.1972 is called "border". The border property can be set on classes, ids or directly on the HTML element.

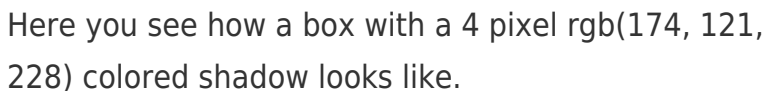
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(174, 121, 228) }
```

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

```
.border{ border-color:rgb(174, 121, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(174, 121, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 121, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 121, 228); box-shadow:4px 4px 4px 4px rgb(174, 121, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2749, 0.2670, 0.1972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 121, 228) }
```

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

```
.background{ background-color: rgb(174,  
121, 228) }
```

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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