

Converting Colors

$Y_{xy}(27.9280, 0.2638, 0.1951)$

Have a look what the booklet for
Yxy(27.9280, 0.2638, 0.1951)
contains.

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Color

Yxy(27.9898, 0.2636, 0.1953)

Conversions

Conversions Part 1

Format	Color
Hex	AB79E5
RGB	171, 121, 229
RGB Percent	67%, 47%, 90%
CMY	0.3293, 0.5255, 0.1019
CMYK	0.25, 0.47, 0.00, 0.10
HSL	268°, 68%, 69%
HSV	268°, 47%, 90%
XYZ	37.7783, 27.9898, 77.5488
YIQ	148.2620, -4.8680, 44.1880

Conversions

Conversions Part 2

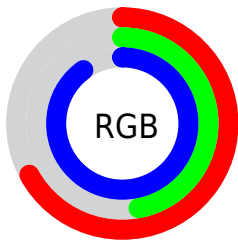
Format	Color
R _Y B	171, 121, 229
Decimal	11237861
CIE Lab	59.88, 40.56, -47.78
CIE LCh	60, 62.674, 310.325
Yxy	27.9898, 0.2636, 0.1953
Android (android.graphics.Color)	4289427941 (0xFFAB79E5)
YUV	148.2620, 39.8038, 19.9412
Hunter-Lab	52.9054, 34.8777, -49.8736

Details

The Yxy color **27.9898, 0.2636, 0.1953** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **67.0083, 0.3442, 0.4607**, and the grayscale version is **29.5624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9861, 0.2953, 0.2445**, and **11.2366, 0.2462, 0.1627** is the 20% darker color. If you saturate the color by 10%, you get **21.7530, 0.2499, 0.1659**, and if you desaturate by 10%, it is **35.6782, 0.2764, 0.2257**.

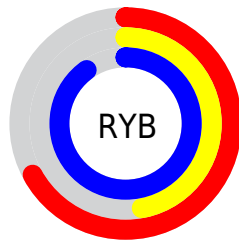
Distribution



Red (67%)

Green (47%)

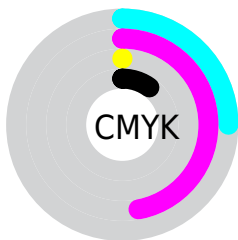
Blue (90%)



Red (67%)

Yellow (47%)

Blue (90%)

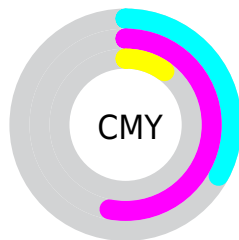


Cyan (25%)

Magenta (47%)

Yellow (0%)

Black (10%)



Cyan (33%)


Magenta (53%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9898, 0.2636, 0.1953 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 27.9898, 0.2636, 0.1953 by changing the saturation by 10% instead.


 27.9898, 0.2636,
0.1953


 27.9898, 0.2636,
0.1953


292.4182, 0.2911,
0.2596


 18.3180, 0.2560,
0.1805


 56.4682, 0.2742,
0.2178

 11.1785, 0.2461,
0.1623


 76.0435, 0.2780,
0.2265

 6.1870, 0.2324,
0.1397


 99.6887, 0.2811,
0.2340

 2.9591, 0.2130,
0.1114

127.7884, 0.2838,
0.2405

 1.1104, 0.1842,
0.0765

160.7267, 0.2860,
0.2462

 0.0000, 0.1456,
0.0000

198.8882, 0.2880,

 0.0000, 0.0000,

0.2512

0.0000

242.6572, 0.2897,
0.2556

■ 27.9898, 0.2636,
0.1953

■ 27.9898, 0.2636,
0.1953

■ 21.7530, 0.2499,
0.1659

■ 35.6782, 0.2764,
0.2257

■ 16.8660, 0.2357,
0.1390

■ 44.9040, 0.2880,
0.2557

■ 13.2187, 0.2217,
0.1161


■ 55.7499, 0.2983,
0.2844

■ 10.6812, 0.2087,
0.0986


■ 68.2917, 0.3072,
0.3112

■ 9.0841, 0.1971,
0.0869

■ 82.6002, 0.3147,
0.3357

 8.7253, 0.1940,
0.0842

 96.5528, 0.3214,
0.3547

 98.4378, 0.3280,
0.3542

Harmonies

Analogous

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



27.9898, 0.1906, 0.1812



27.9898, 0.2636, 0.1953



27.9898, 0.3663, 0.2343

Triad

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



27.9898, 0.2636, 0.1953



27.9898, 0.4928, 0.4298



27.9898, 0.1750, 0.3446

Complementary

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



27.9898, 0.2636, 0.1953



67.0083, 0.3442, 0.4607

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.



27.9898, 0.2416, 0.4618



27.9898, 0.2636, 0.1953



27.9898, 0.4244, 0.4958

Square

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



27.9898, 0.2636, 0.1953



27.9898, 0.5131, 0.3586



27.9898, 0.3332, 0.5215



27.9898, 0.1465, 0.2475

Rectangle

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



27.9898, 0.2636, 0.1953



27.9898, 0.4361, 0.2711



27.9898, 0.3332, 0.5215



27.9898, 0.1931, 0.3846

Sweetspot

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



27.9909, 0.2636, 0.1953



75.8439, 0.3012, 0.2929



42.5283, 0.2383, 0.2637



15.5210, 0.2992, 0.2869



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.



27.9909, 0.2636, 0.1953



27.6390, 0.2496, 0.1654



35.1164, 0.3129, 0.2129



14.2126, 0.3053, 0.3052



5.0581, 0.1956, 0.0851



0.4286, 0.2118, 0.0940

Inverse Universe

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



33.5876, 0.3709, 0.2634



35.9539, 0.3899, 0.2511



61.8915, 0.3089, 0.4763



14.4967, 0.3209, 0.3165



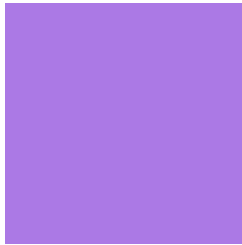
10.3658, 0.4798, 0.2417



0.7847, 0.4503, 0.2254

Previews

White Background



This preview shows how the Yxy color 27.9898, 0.2636, 0.1953 looks on a white background.

Color Contrast Check

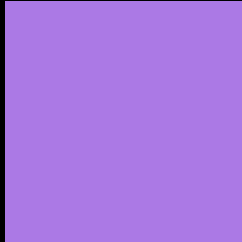
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9898, 0.2636, 0.1953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

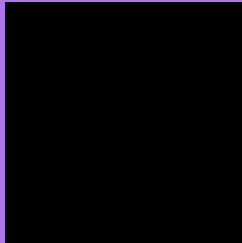
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9898, 0.2636, 0.1953

Background



This preview shows how black text looks on a background with the Yxy color 27.9898, 0.2636, 0.1953.



This preview shows how white text looks on a background with the Yxy color 27.9898, 0.2636, 0.1953.

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

27.9898, 0.2636, 0.1953

Protanopia

28.3618, 0.2069, 0.1872

Deuteranopia

28.2119, 0.2204, 0.2143



Tritanopia

27.8353, 0.3211, 0.3121

Trichromacy



Original Color

27.9898, 0.2636, 0.1953



Protanomaly

27.7014, 0.2233, 0.1891



Deuteranomaly

27.6885, 0.2333, 0.2055



Tritanomaly

27.4386, 0.2979, 0.2613

Monochromacy



Original Color

27.9898, 0.2636, 0.1953



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

28.4192, 0.2938, 0.2717

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9898, 0.2636, 0.1953 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(171, 121, 229)` looks like.

```
.text, #text, p{  
    color:rgb(171, 121, 229)  
}
```

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(171, 121, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 121, 229) }
```

Border

The CSS property to change the border of an element to Yxy 27.9898, 0.2636, 0.1953 is called "border". The border property can be set on classes, ids or directly on the HTML element.

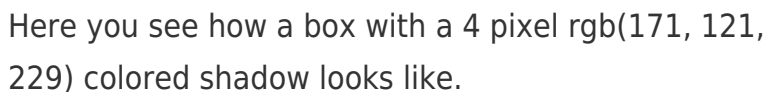
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 121, 229) }
```

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

```
.border{ border-color:rgb(171, 121, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 121, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 121, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 121, 229); box-shadow:4px 4px 4px 4px rgb(171, 121, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9898, 0.2636, 0.1953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 121, 229) }
```

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

```
.background{ background-color: rgb(171,  
121, 229) }
```

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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