

Converting Colors

$Y_{xy}(27.8070, 0.2474, 0.1666)$

Have a look what the booklet for
Yxy(27.8070, 0.2474, 0.1666)
contains.

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Color

Yxy(27.8070, 0.2474, 0.1666)

Conversions

Conversions Part 1

Format	Color
Hex	AE70FF
RGB	174, 112, 255
RGB Percent	68%, 44%, 100%
CMY	0.3178, 0.5607, 0.0000
CMYK	0.32, 0.56, 0.00, 0.00
HSL	266°, 100%, 72%
HSV	266°, 56%, 100%
XYZ	41.2932, 27.8070, 97.8085
YIQ	146.8400, -8.9510, 57.6170

Conversions

Conversions Part 2

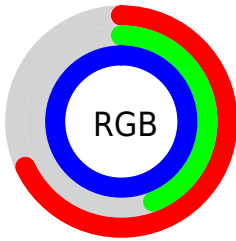
Format	Color
RYB	174, 112, 255
Decimal	11432191
CIELab	59.71, 52.34, -62.43
CIElCh	60, 81.469, 309.972
Yxy	27.8070, 0.2474, 0.1666
Android (android.graphics.Color)	4289622271 (0xFFAE70FF)
YUV	146.8400, 53.3229, 23.8193
Hunter-Lab	52.7323, 47.4968, -73.0591

Details

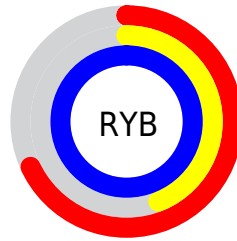
The Yxy color **27.8070, 0.2474, 0.1666** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **84.0369, 0.3507, 0.4855**, and the grayscale version is **28.8869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.8161, 0.2991, 0.2374**, and **11.0817, 0.2256, 0.1319** is the 20% darker color. If you saturate the color by 10%, you get **21.3818, 0.2325, 0.1388**, and if you desaturate by 10%, it is **36.0042, 0.2619, 0.1968**.

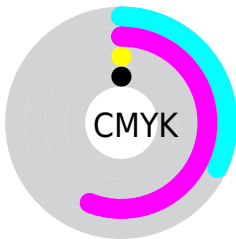
Distribution



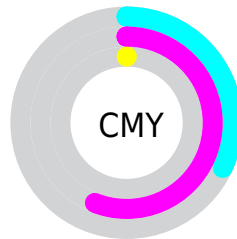
- Red (68%)
- Green (44%)
- Blue (100%)



- Red (68%)
- Yellow (44%)
- Blue (100%)



- Cyan (32%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)




- Cyan (32%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8070, 0.2474, 0.1666 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 27.8070, 0.2474, 0.1666 by changing the saturation by 10% instead.


 27.8070, 0.2474,
0.1666


 27.8070, 0.2474,
0.1666


291.5435, 0.2835,
0.2413


 18.1802, 0.2379,
0.1505


 56.1762, 0.2610,
0.1919


 11.0795, 0.2257,
0.1314


 75.6873, 0.2660,
0.2019

 6.1203, 0.2096,
0.1088


 99.2621, 0.2701,
0.2107

 2.9184, 0.1877,
0.0821

 127.2848, 0.2736,
0.2183

 1.0893, 0.1576,
0.0520

160.1400, 0.2767,
0.2251

 0.0000, 0.1188,
0.0000

198.2119, 0.2792,


 0.0000, 0.0366,


0.2311

0.0000

241.8849, 0.2815,
0.2364

 0.0000, 0.0000,
0.0000

 27.8070, 0.2474,
0.1666


 27.8070, 0.2474,
0.1666


 21.3818, 0.2325,
0.1388


 36.0042, 0.2619,
0.1968


 16.5840, 0.2179,
0.1151


 46.1004, 0.2754,
0.2278


 13.2459, 0.2043,
0.0968

 58.2114, 0.2876,
0.2582

 11.1600, 0.1923,
0.0846

 72.4433, 0.2984,
0.2870

 10.5643, 0.1881,
0.0810

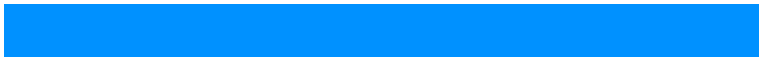
 88.8944, 0.3077,
0.3139

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



27.8070, 0.1620, 0.1501



27.8070, 0.2474, 0.1666



27.8070, 0.3777, 0.2112

Triad

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



27.8070, 0.2474, 0.1666



27.8070, 0.5302, 0.4362



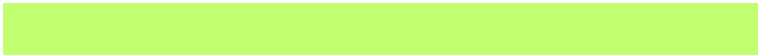
27.8070, 0.1411, 0.3461

Complementary

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



27.8070, 0.2474, 0.1666



84.0369, 0.3507, 0.4855

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.



27.8070, 0.2180, 0.5114



27.8070, 0.2474, 0.1666



27.8070, 0.4393, 0.5278

Square

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



27.8070, 0.2474, 0.1666



27.8070, 0.5656, 0.3520



27.8070, 0.3276, 0.5823



27.8070, 0.1118, 0.2224

Rectangle

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



27.8070, 0.2474, 0.1666



27.8070, 0.4702, 0.2535



27.8070, 0.3276, 0.5823



27.8070, 0.1613, 0.4017

Sweetspot

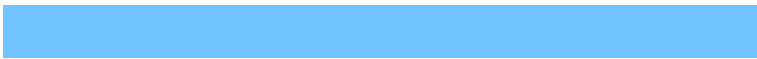
The Sweet Spot groups the original color and five complimentary colors.



27.8072, 0.2474, 0.1666



71.0260, 0.2975, 0.2844



49.8881, 0.2261, 0.2544



14.5618, 0.2954, 0.2787



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.



27.8072, 0.2474, 0.1666



20.8688, 0.2311, 0.1364



37.8836, 0.3081, 0.1919



17.7625, 0.3047, 0.3049



5.6044, 0.1898, 0.0819



0.6088, 0.2023, 0.0888

Inverse Universe

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



36.7070, 0.3830, 0.2481



30.9600, 0.4039, 0.2370



76.9709, 0.3098, 0.5075



18.1596, 0.3205, 0.3156



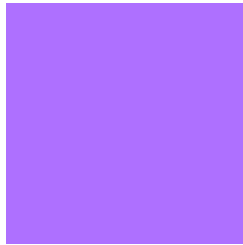
12.2002, 0.4682, 0.2353



1.2098, 0.4467, 0.2234

Previews

White Background



This preview shows how the Yxy color 27.8070, 0.2474, 0.1666 looks on a white background.

Color Contrast Check

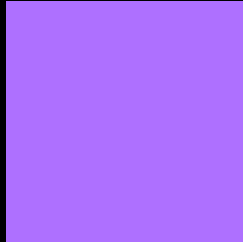
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8070, 0.2474, 0.1666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

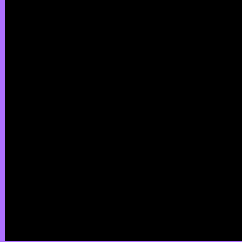
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8070, 0.2474, 0.1666

Background



This preview shows how black text looks on a background with the Yxy color 27.8070, 0.2474, 0.1666.



This preview shows how white text looks on a background with the Yxy color 27.8070, 0.2474, 0.1666.

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

27.8070, 0.2474, 0.1666

Protanopia

28.1000, 0.1996, 0.1778

Deuteranopia

28.0849, 0.1943, 0.1874



Tritanopia

27.8282, 0.3178, 0.3135

Trichromacy



Original Color

27.8070, 0.2474, 0.1666



Protanomaly

27.1783, 0.2124, 0.1709



Deuteranomaly

26.6237, 0.2055, 0.1743



Tritanomaly

27.1732, 0.2885, 0.2469

Monochromacy



Original Color

27.8070, 0.2474, 0.1666



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.7635, 0.2865, 0.2542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8070, 0.2474, 0.1666 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, 112, 255)` looks like.

```
.text, #text, p{  
    color:rgb(174, 112, 255)  
}
```

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, 112, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 112, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.8070, 0.2474, 0.1666 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, 112, 255) }
```

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

```
.border{ border-color:rgb(174, 112, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 112, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 112, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 112, 255);  
box-shadow:4px 4px 4px 4px rgb(174, 112,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8070, 0.2474, 0.1666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 112, 255) }
```

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

```
.background{ background-color: rgb(174,  
112, 255) }
```

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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