

Converting Colors

$Y_{xy}(29.0006, 0.2459, 0.1722)$

Have a look what the booklet for
Yxy(29.0006, 0.2459, 0.1722)
contains.

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Color

Yxy(29.0716, 0.2459, 0.1725)

Conversions

Conversions Part 1

Format	Color
Hex	AB77FF
RGB	171, 119, 255
RGB Percent	67%, 47%, 100%
CMY	0.3293, 0.5333, 0.0001
CMYK	0.33, 0.53, 0.00, 0.00
HSL	263°, 100%, 73%
HSV	263°, 53%, 100%
XYZ	41.4418, 29.0716, 98.0176
YIQ	150.0520, -12.6640, 53.3200

Conversions

Conversions Part 2

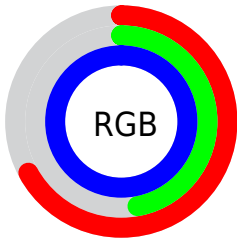
Format	Color
R _Y B	171, 119, 255
Decimal	11237375
CIE Lab	60.84, 47.92, -60.62
CIE LCh	61, 77.272, 308.323
Yxy	29.0716, 0.2459, 0.1725
Android (android.graphics.Color)	4289427455 (0xFFAB77FF)
YUV	150.0520, 51.7394, 18.3714
Hunter-Lab	53.9181, 42.8396, -70.0406

Details

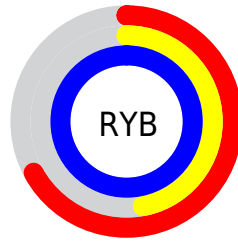
The Yxy color **29.0716, 0.2459, 0.1725** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **85.5298, 0.3542, 0.4756**, and the grayscale version is **30.3046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9301, 0.2968, 0.2439**, and **11.7429, 0.2248, 0.1383** is the 20% darker color. If you saturate the color by 10%, you get **22.1319, 0.2300, 0.1431**, and if you desaturate by 10%, it is **37.8515, 0.2613, 0.2038**.

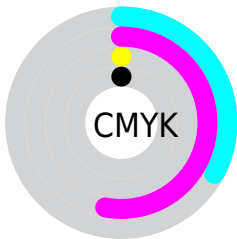
Distribution



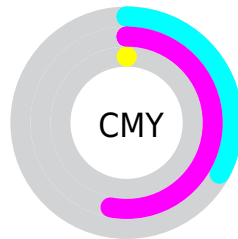
- Red (67%)
- Green (47%)
- Blue (100%)



- Red (67%)
- Yellow (47%)
- Blue (100%)



- Cyan (33%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0716, 0.2459, 0.1725 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 29.0716, 0.2459, 0.1725 by changing the saturation by 10% instead.


 29.0716, 0.2459,
0.1725

 29.0716, 0.2459,
0.1725


297.5526, 0.2823,
0.2447

 19.1350, 0.2365,
0.1568


 58.1908, 0.2595,
0.1971

 11.7679, 0.2243,
0.1381


 78.1422, 0.2645,
0.2068

 6.5858, 0.2083,
0.1157


 102.2007, 0.2687,
0.2153

 3.2044, 0.1868,
0.0891

130.7506, 0.2723,
0.2226

 1.2394, 0.1571,
0.0585

164.1764, 0.2753,
0.2292

 0.0935, 0.1185,
0.0083

202.8624, 0.2780,


 0.0000, 0.0384,


0.2349


0.0000


247.1930, 0.2803,
0.2401


 0.0000, 0.0000,
0.0000


 29.0716, 0.2459,
0.1725


 29.0716, 0.2459,
0.1725


 22.1319, 0.2300,
0.1431


 37.8515, 0.2613,
0.2038


 16.8886, 0.2143,
0.1173


 48.5941, 0.2756,
0.2353

 13.1804, 0.1997,
0.0969

 61.4147, 0.2886,
0.2659

 10.8111, 0.1871,
0.0828

 76.4187, 0.2999,
0.2945

 9.7904, 0.1798,
0.0764

 93.7040, 0.3098,
0.3208

99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



29.0716, 0.1661, 0.1582



29.0716, 0.2459, 0.1725



29.0716, 0.3669, 0.2143

Triad

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



29.0716, 0.2459, 0.1725



29.0716, 0.5244, 0.4306



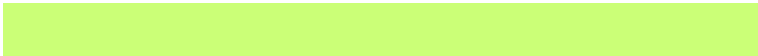
29.0716, 0.1533, 0.3545

Complementary

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



29.0716, 0.2459, 0.1725



85.5298, 0.3542, 0.4756

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.



29.0716, 0.2303, 0.5044



29.0716, 0.2459, 0.1725



29.0716, 0.4420, 0.5155

Square

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



29.0716, 0.2459, 0.1725



29.0716, 0.5508, 0.3500



29.0716, 0.3363, 0.5654



29.0716, 0.1215, 0.2343

Rectangle

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



29.0716, 0.2459, 0.1725



29.0716, 0.4538, 0.2546



29.0716, 0.3363, 0.5654



29.0716, 0.1740, 0.4061

Sweetspot

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



29.0727, 0.2459, 0.1725



72.2059, 0.2971, 0.2871



54.8610, 0.2317, 0.2675



14.7811, 0.2948, 0.2812



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.



29.0727, 0.2459, 0.1725



21.7329, 0.2289, 0.1412



38.3909, 0.3025, 0.1951



17.7164, 0.3039, 0.3049



5.1956, 0.1815, 0.0773



0.5663, 0.1940, 0.0842

Inverse Universe

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



38.7595, 0.3704, 0.2450



32.7105, 0.3875, 0.2320



78.1686, 0.3137, 0.4962



18.1757, 0.3197, 0.3144



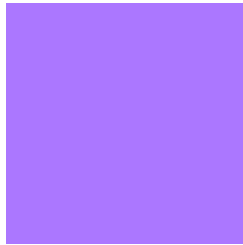
12.4188, 0.4473, 0.2238



1.2305, 0.4289, 0.2137

Previews

White Background



This preview shows how the Yxy color 29.0716, 0.2459, 0.1725 looks on a white background.

Color Contrast Check

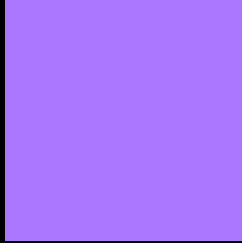
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0716, 0.2459, 0.1725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

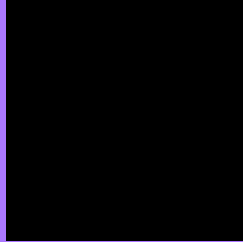
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.0716, 0.2459, 0.1725

Background



This preview shows how black text looks on a background with the Yxy color 29.0716, 0.2459, 0.1725.



This preview shows how white text looks on a background with the Yxy color 29.0716, 0.2459, 0.1725.

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

29.0716, 0.2459, 0.1725

Protanopia

29.3517, 0.2036, 0.1828

Deuteranopia

29.4358, 0.1982, 0.1917



Tritanopia

28.8924, 0.3093, 0.3119

Trichromacy



Original Color

29.0716, 0.2459, 0.1725



Protanomaly

28.4811, 0.2151, 0.1764



Deuteranomaly

28.1076, 0.2097, 0.1805



Tritanomaly

28.3586, 0.2832, 0.2496

Monochromacy



Original Color

29.0716, 0.2459, 0.1725



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

29.3652, 0.2860, 0.2592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0716, 0.2459, 0.1725 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, 119, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 119, 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(171, 119, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 119, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.0716, 0.2459, 0.1725 is called "border". The border property can be set on classes, ids or directly on the HTML element.

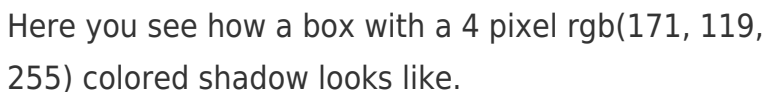
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 119, 255) }
```

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

```
.border{ border-color:rgb(171, 119, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 119, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 119, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 119, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 119,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0716, 0.2459, 0.1725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 119, 255) }
```

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

```
.background{ background-color: rgb(171,  
119, 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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