

Converting Colors

$Y_{xy}(29.4271, 0.2185, 0.1847)$

Have a look what the booklet for
Yxy(29.4271, 0.2185, 0.1847)
contains.

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Color

Yxy(29.4271, 0.2185, 0.1847)

Conversions

Conversions Part 1

Format	Color
Hex	7C8AFB
RGB	124, 138, 251
RGB Percent	49%, 54%, 98%
CMY	0.5136, 0.4588, 0.0158
CMYK	0.51, 0.45, 0.00, 0.02
HSL	233°, 94%, 74%
HSV	233°, 51%, 98%
XYZ	34.8122, 29.4271, 95.0844
YIQ	146.6960, -44.6170, 32.1750

Conversions

Conversions Part 2

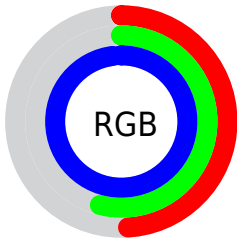
Format	Color
RYB	124, 137, 251
Decimal	8162043
CIELab	61.16, 25.17, -58.14
CIELCh	61, 63.352, 293.408
Yxy	29.4271, 0.2185, 0.1847
Android (android.graphics.Color)	4286352123 (0xFF7C8AFB)
YUV	146.6960, 51.4219, -19.9044
Hunter-Lab	54.2468, 19.6186, -65.9516

Details

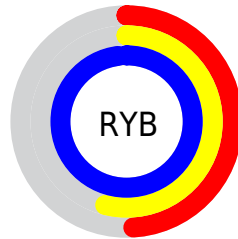
The Yxy color **29.4271, 0.2185, 0.1847** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **82.5286, 0.3934, 0.4405**, and the grayscale version is **28.8468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.5489, 0.2640, 0.2562**, and **11.8986, 0.1910, 0.1494** is the 20% darker color. If you saturate the color by 10%, you get **22.0261, 0.1986, 0.1522**, and if you desaturate by 10%, it is **38.6236, 0.2391, 0.2176**.

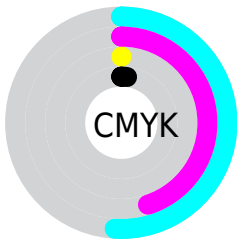
Distribution



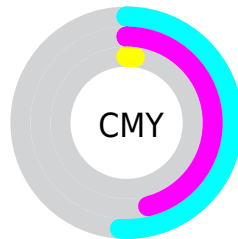
- Red (49%)
- Green (54%)
- Blue (98%)



- Red (49%)
- Yellow (54%)
- Blue (98%)



- Cyan (51%)
- Magenta (45%)
- Yellow (0%)
- Black (2%)





- Cyan (51%)
- Magenta (46%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.4271, 0.2185, 0.1847 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 29.4271, 0.2185, 0.1847 by changing the saturation by 10% instead.


 29.4271, 0.2185,
0.1847

 29.4271, 0.2185,
0.1847


299.2248, 0.2672,
0.2536


 19.4042, 0.2065,
0.1692


 58.7550, 0.2362,
0.2086

 11.9627, 0.1914,
0.1504


 78.8287, 0.2429,
0.2179

 6.7183, 0.1720,
0.1275


 103.0215, 0.2485,
0.2260

 3.2865, 0.1468,
0.0997

131.7177, 0.2533,
0.2330

 1.2831, 0.1139,
0.0668

165.3017, 0.2575,
0.2391

 0.1281, 0.0732,
0.0127

204.1580, 0.2612,

 0.0000, 0.0000,

0.2445

0.0000

248.6709, 0.2644,
0.2493

■ 29.4271, 0.2185,
0.1847

■ 29.4271, 0.2185,
0.1847

■ 22.0261, 0.1986,
0.1522

■ 38.6236, 0.2391,
0.2176

■ 16.2994, 0.1809,
0.1220

■ 49.7199, 0.2594,
0.2491

■ 12.1155, 0.1666,
0.0965

■ 62.8161, 0.2785,
0.2783

■ 9.3211, 0.1569,
0.0775

■ 78.0040, 0.2961,
0.3045

■ 7.7752, 0.1517,
0.0662

■ 95.3700, 0.3119,
0.3278

99.7430, 0.3150,
0.3328

Harmonies

Analogous

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



29.4271, 0.1656, 0.1862



29.4271, 0.2185, 0.1847



29.4271, 0.3060, 0.2100

Triad

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



29.4271, 0.2185, 0.1847



29.4271, 0.5109, 0.3893



29.4271, 0.2088, 0.4121

Complementary

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



29.4271, 0.2185, 0.1847



82.5286, 0.3934, 0.4405

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.



29.4271, 0.2921, 0.5057



29.4271, 0.2185, 0.1847



29.4271, 0.4666, 0.4601

Square

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



29.4271, 0.2185, 0.1847



29.4271, 0.4937, 0.3204



29.4271, 0.3859, 0.5142



29.4271, 0.1587, 0.2972

Rectangle

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



29.4271, 0.2185, 0.1847



29.4271, 0.3771, 0.2399



29.4271, 0.3859, 0.5142



29.4271, 0.2337, 0.4502

Sweetspot

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



29.4281, 0.2185, 0.1847



73.6244, 0.2885, 0.2933



79.3271, 0.2531, 0.3464



15.0525, 0.2848, 0.2877



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.



29.4281, 0.2185, 0.1847



22.5194, 0.1977, 0.1507



30.2365, 0.2504, 0.1812



16.9503, 0.2979, 0.3072



4.1887, 0.1521, 0.0677



0.4853, 0.1562, 0.0823

Inverse Universe

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



36.7624, 0.4417, 0.3149



31.5433, 0.4860, 0.3133



83.0300, 0.3527, 0.4680



17.2563, 0.3277, 0.3264



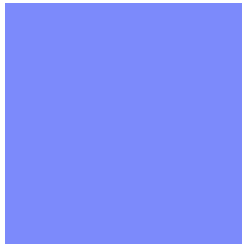
10.8338, 0.6271, 0.3228



1.0132, 0.6032, 0.3097

Previews

White Background



This preview shows how the Yxy color 29.4271, 0.2185, 0.1847 looks on a white background.

Color Contrast Check

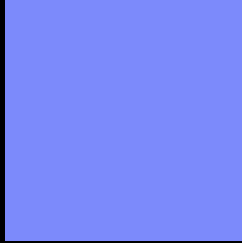
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4271, 0.2185, 0.1847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

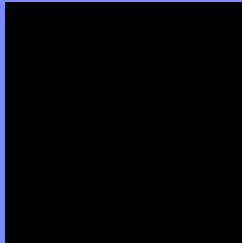
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4271, 0.2185, 0.1847

Background



This preview shows how black text looks on a background with the Yxy color 29.4271, 0.2185, 0.1847.



This preview shows how white text looks on a background with the Yxy color 29.4271, 0.2185, 0.1847.

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

29.4271, 0.2185, 0.1847

Protanopia

29.4063, 0.2040, 0.1829

Deuteranopia

29.5152, 0.1989, 0.1919



Tritanopia

29.2382, 0.2529, 0.3070

Trichromacy



Original Color

29.4271, 0.2185, 0.1847

Protanomaly

29.3313, 0.2086, 0.1828

Deuteranomaly

29.1758, 0.2044, 0.1878

Tritanomaly

28.7442, 0.2379, 0.2521

Monochromacy



Original Color

29.4271, 0.2185, 0.1847

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.9383, 0.2714, 0.2673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4271, 0.2185, 0.1847 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(124, 138, 251)` looks like.

```
.text, #text, p{  
    color:rgb(124, 138, 251)  
}
```

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(124, 138, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 138, 251) }
```

Border

The CSS property to change the border of an element to Yxy 29.4271, 0.2185, 0.1847 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(124, 138, 251) }
```

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

```
.border{ border-color:rgb(124, 138, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 138, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 138, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 138, 251);  
box-shadow:4px 4px 4px 4px rgb(124, 138,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4271, 0.2185, 0.1847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 138, 251) }
```

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

```
.background{ background-color: rgb(124,  
138, 251) }
```

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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