

Converting Colors

$Yxy(49.8037, 0.2621, 0.2431)$

Have a look what the booklet for
Yxy(49.8037, 0.2621, 0.2431)
contains.

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Color

Yxy(49.8076, 0.2619, 0.2431)

Conversions

Conversions Part 1

Format	Color
Hex	B6B4FF
RGB	182, 180, 255
RGB Percent	71%, 71%, 100%
CMY	0.2864, 0.2941, 0.0000
CMYK	0.29, 0.29, 0.00, 0.00
HSL	242°, 100%, 85%
HSV	242°, 29%, 100%
XYZ	53.6594, 49.8076, 101.4182
YIQ	189.1480, -22.8830, 23.7490

Conversions

Conversions Part 2

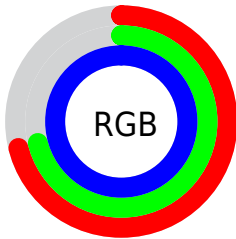
Format	Color
RYB	182, 180, 255
Decimal	11973887
CIELab	75.95, 16.90, -36.78
CIElCh	76, 40.482, 294.679
Yxy	49.8076, 0.2619, 0.2431
Android (android.graphics.Color)	4290163967 (0xFFB6B4FF)
YUV	189.1480, 32.4650, -6.2688
Hunter-Lab	70.5745, 12.2123, -35.7998

Details

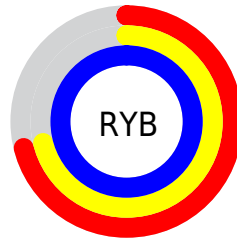
The Yxy color **49.8076, 0.2619, 0.2431** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **95.7073, 0.3560, 0.4031**, and the grayscale version is **50.7953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5616, 0.3031, 0.3101**, and **23.7680, 0.2482, 0.2223** is the 20% darker color. If you saturate the color by 10%, you get **37.6812, 0.2411, 0.2083**, and if you desaturate by 10%, it is **64.3641, 0.2811, 0.2755**.

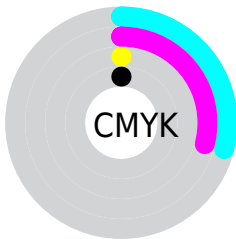
Distribution



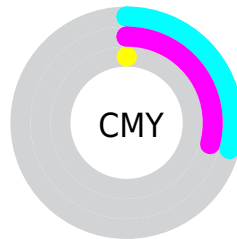
- Red (71%)
- Green (71%)
- Blue (100%)



- Red (71%)
- Yellow (71%)
- Blue (100%)



- Cyan (29%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8076, 0.2619, 0.2431 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 49.8076, 0.2619, 0.2431 by changing the saturation by 10% instead.

■ 49.8076, 0.2619,
0.2431

■ 49.8076, 0.2619,
0.2431

■ 385.9131, 0.2869,
0.2831

■ 35.2605, 0.2559,
0.2340

■ 89.8897, 0.2708,
0.2570

■ 23.8636, 0.2484,
0.2228

■ 116.1936, 0.2742,
0.2624

■ 15.2325, 0.2386,
0.2088

■ 147.1852, 0.2771,
0.2670

■ 8.9827, 0.2257,
0.1909

■ 183.2490, 0.2796,
0.2711

■ 4.7299, 0.2078,
0.1672

■ 224.7692, 0.2818,
0.2747

■ 2.0897, 0.1819,
0.1352

■ 272.1304, 0.2837,

■ 0.6588, 0.1431,

0.2778

0.0894

325.7169, 0.2854,
0.2806

0.0000, 0.0000,
0.0000

49.8076, 0.2619,
0.2431

49.8076, 0.2619,
0.2431

37.6812, 0.2411,
0.2083

64.3641, 0.2811,
0.2755

27.8525, 0.2197,
0.1725

81.4729, 0.2984,
0.3047

20.1766, 0.1988,
0.1380

100.0000, 0.3127,
0.3290

14.4921, 0.1802,
0.1074

10.6149, 0.1654,
0.0835

■ 8.3268, 0.1555,
0.0679

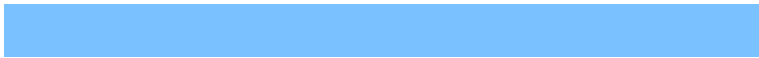
■ 7.3051, 0.1507,
0.0606

■ 7.2628, 0.1505,
0.0603

Harmonies

Analogous

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



49.8076, 0.2268, 0.2456



49.8076, 0.2619, 0.2431



49.8076, 0.3135, 0.2595

Triad

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



49.8076, 0.2619, 0.2431



49.8076, 0.4230, 0.3746



49.8076, 0.2550, 0.3701

Complementary

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



49.8076, 0.2619, 0.2431



95.7073, 0.3560, 0.4031

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.



49.8076, 0.3042, 0.4156



49.8076, 0.2619, 0.2431



49.8076, 0.4025, 0.4116

Square

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



49.8076, 0.2619, 0.2431



49.8076, 0.4112, 0.3315



49.8076, 0.3584, 0.4297



49.8076, 0.2228, 0.3140

Rectangle

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



49.8076, 0.2619, 0.2431



49.8076, 0.3515, 0.2790



49.8076, 0.3584, 0.4297



49.8076, 0.2700, 0.3877

Sweetspot

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



49.8076, 0.2619, 0.2431



82.2258, 0.2991, 0.3058



87.6498, 0.2699, 0.3275



17.0286, 0.2967, 0.3018



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.



49.8076, 0.2619, 0.2431



42.7346, 0.2505, 0.2239



54.8891, 0.2884, 0.2492



17.4003, 0.2982, 0.3044



3.8047, 0.1508, 0.0604



0.3780, 0.1526, 0.0614

Inverse Universe

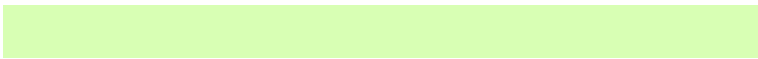
The Inverse Universe completely reimagines the original color for something new.



61.0018, 0.3176, 0.2573



55.5129, 0.3186, 0.2439



89.4536, 0.3313, 0.4094



18.2917, 0.3142, 0.3062



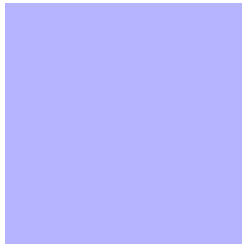
14.6655, 0.3275, 0.1578



1.4304, 0.3267, 0.1574

Previews

White Background



This preview shows how the Yxy color 49.8076, 0.2619, 0.2431 looks on a white background.

Color Contrast Check

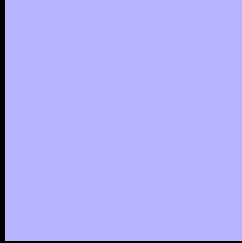
Large Text (above 18pt) WCAG AA × Fail

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 49.8076, 0.2619, 0.2431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

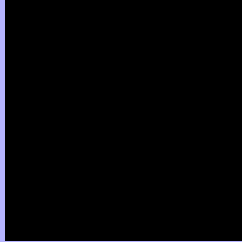
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8076, 0.2619, 0.2431

Background



This preview shows how black text looks on a background with the Yxy color 49.8076, 0.2619, 0.2431.



This preview shows how white text looks on a background with the Yxy color 49.8076, 0.2619, 0.2431.

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

49.8076, 0.2619, 0.2431

Protanopia

50.0249, 0.2522, 0.2468

Deuteranopia

50.0692, 0.2534, 0.2479



Tritanopia

50.0053, 0.2877, 0.3098

Trichromacy



Original Color

49.8076, 0.2619, 0.2431

Protanomaly

49.8576, 0.2557, 0.2452

Deuteranomaly

49.7934, 0.2563, 0.2462

Tritanomaly

49.6756, 0.2783, 0.2834

Monochromacy



Original Color

49.8076, 0.2619, 0.2431

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.3610, 0.2927, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8076, 0.2619, 0.2431 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(182, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(182, 180, 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(182, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 180, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.8076, 0.2619, 0.2431 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(182, 180, 255) }
```

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

```
.border{ border-color:rgb(182, 180, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(182, 180,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8076, 0.2619, 0.2431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 180, 255) }
```

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

```
.background{ background-color: rgb(182,  
180, 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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