

Converting Colors

$Y_{xy}(46.4929, 0.2606, 0.2344)$

Have a look what the booklet for
Yxy(46.4929, 0.2606, 0.2344)
contains.

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Color

Yxy(46.4846, 0.2608, 0.2345)

Conversions

Conversions Part 1

Format	Color
Hex	B5ACFE
RGB	181, 172, 254
RGB Percent	71%, 67%, 100%
CMY	0.2903, 0.3255, 0.0038
CMYK	0.29, 0.32, 0.00, 0.00
HSL	247°, 98%, 84%
HSV	247°, 32%, 100%
XYZ	51.6980, 46.4846, 100.0460
YIQ	184.0390, -20.9580, 27.4100

Conversions

Conversions Part 2

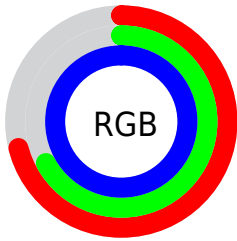
Format	Color
R _Y B	181, 172, 254
Decimal	11906302
CIE Lab	73.86, 20.82, -39.51
CIE LCh	74, 44.658, 297.792
Yxy	46.4846, 0.2608, 0.2345
Android (android.graphics.Color)	4290096382 (0xFFB5ACFE)
YUV	184.0390, 34.4908, -2.6652
Hunter-Lab	68.1796, 16.0354, -39.2757

Details

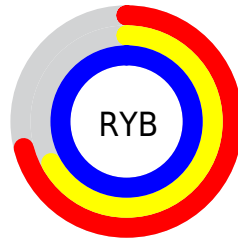
The Yxy color **46.4846, 0.2608, 0.2345** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.3127, 0.3555, 0.4116**, and the grayscale version is **47.7698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3353, 0.3026, 0.3009**, and **21.8998, 0.2466, 0.2126** is the 20% darker color. If you saturate the color by 10%, you get **35.2067, 0.2411, 0.2000**, and if you desaturate by 10%, it is **60.0584, 0.2790, 0.2671**.

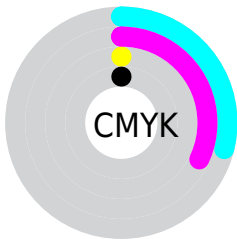
Distribution



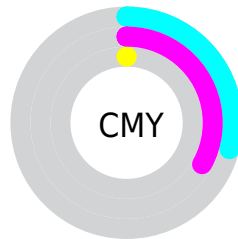
- Red (71%)
- Green (67%)
- Blue (100%)



- Red (71%)
- Yellow (67%)
- Blue (100%)



- Cyan (29%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4846, 0.2608, 0.2345 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 46.4846, 0.2608, 0.2345 by changing the saturation by 10% instead.

 46.4846, 0.2608,
0.2345

 46.4846, 0.2608,
0.2345


372.7535, 0.2867,
0.2786

 32.6284, 0.2545,
0.2245


 84.9438, 0.2701,
0.2498

 21.8419, 0.2465,
0.2122


110.3155, 0.2737,
0.2557

 13.7408, 0.2362,
0.1969

140.2946, 0.2767,
0.2609

 7.9406, 0.2224,
0.1773

175.2654, 0.2792,
0.2653

 4.0570, 0.2032,
0.1517

215.6123, 0.2815,
0.2693

 1.7055, 0.1753,
0.1176

261.7197, 0.2834,

 0.4272, 0.1347,

0.2727

0.0628

313.9719, 0.2852,
0.2758

0.0000, 0.0000,
0.0000

46.4846, 0.2608,
0.2345

46.4846, 0.2608,
0.2345

35.2067, 0.2411,
0.2000

60.0584, 0.2790,
0.2671

26.0923, 0.2207,
0.1652

76.0400, 0.2954,
0.2968

19.0036, 0.2008,
0.1321

94.5402, 0.3097,
0.3234

13.7849, 0.1828,
0.1034

99.9383, 0.3133,
0.3299

10.2573, 0.1681,
0.0813

■ 8.2068, 0.1579,
0.0674

■ 7.4020, 0.1530,
0.0617

Harmonies

Analogous

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



46.4846, 0.2199, 0.2345



46.4846, 0.2608, 0.2345



46.4846, 0.3199, 0.2546

Triad

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



46.4846, 0.2608, 0.2345



46.4846, 0.4360, 0.3835



46.4846, 0.2428, 0.3688

Complementary

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



46.4846, 0.2608, 0.2345



93.3127, 0.3555, 0.4116

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.



46.4846, 0.2962, 0.4240



46.4846, 0.2608, 0.2345



46.4846, 0.4088, 0.4244

Square

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



46.4846, 0.2608, 0.2345



46.4846, 0.4271, 0.3358



46.4846, 0.3570, 0.4434



46.4846, 0.2100, 0.3051

Rectangle

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



46.4846, 0.2608, 0.2345



46.4846, 0.3627, 0.2770



46.4846, 0.3570, 0.4434



46.4846, 0.2588, 0.3898

Sweetspot

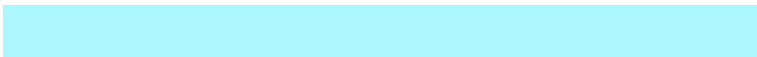
The Sweet Spot groups the original color and five complimentary colors.



46.4864, 0.2608, 0.2345



80.7398, 0.2988, 0.3032



81.7416, 0.2654, 0.3199



16.7468, 0.2967, 0.2993



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.



46.4864, 0.2608, 0.2345



38.9990, 0.2477, 0.2115



52.0733, 0.2906, 0.2420



17.4728, 0.2996, 0.3045



3.9311, 0.1537, 0.0621



0.4123, 0.1607, 0.0659

Inverse Universe

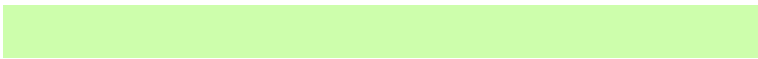
The Inverse Universe completely reimagines the original color for something new.



57.1826, 0.3235, 0.2564



51.4255, 0.3262, 0.2417



86.8410, 0.3285, 0.4194



18.2641, 0.3155, 0.3081



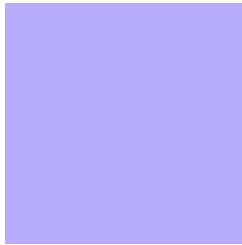
14.0240, 0.3506, 0.1705



1.3748, 0.3468, 0.1684

Previews

White Background



This preview shows how the Yxy color 46.4846, 0.2608, 0.2345 looks on a white background.

Color Contrast Check

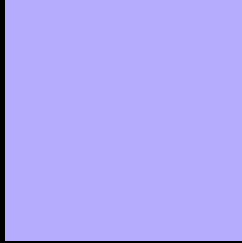
Large Text (above 18pt) WCAG AA × Fail

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 46.4846, 0.2608, 0.2345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

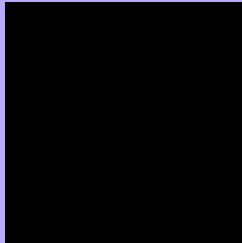
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.4846, 0.2608, 0.2345

Background



This preview shows how black text looks on a background with the Yxy color 46.4846, 0.2608, 0.2345.



This preview shows how white text looks on a background with the Yxy color 46.4846, 0.2608, 0.2345.

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

46.4846, 0.2608, 0.2345

Protanopia

46.7293, 0.2462, 0.2383

Deuteranopia

46.5001, 0.2466, 0.2401



Tritanopia

46.4902, 0.2908, 0.3093

Trichromacy



Original Color

46.4846, 0.2608, 0.2345

Protanomaly

46.3777, 0.2507, 0.2359

Deuteranomaly

46.2495, 0.2518, 0.2378

Tritanomaly

46.3008, 0.2796, 0.2800

Monochromacy



Original Color

46.4846, 0.2608, 0.2345

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.3132, 0.2930, 0.2927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4846, 0.2608, 0.2345 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(181, 172, 254)` looks like.

```
.text, #text, p{  
    color:rgb(181, 172, 254)  
}
```

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(181, 172, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 172, 254) }
```

Border

The CSS property to change the border of an element to Yxy 46.4846, 0.2608, 0.2345 is called "border". The border property can be set on classes, ids or directly on the HTML element.

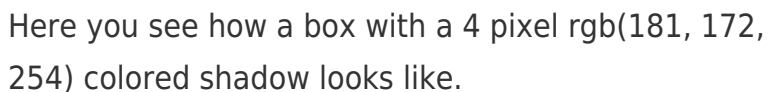
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 172, 254) }
```

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

```
.border{ border-color:rgb(181, 172, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 172, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 172, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 172, 254); box-shadow:4px 4px 4px 4px rgb(181, 172, 254) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4846, 0.2608, 0.2345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 172, 254) }
```

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

```
.background{ background-color: rgb(181,  
172, 254) }
```

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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