

Converting Colors

$Y_{xy}(46.9135, 0.2476, 0.2435)$

Have a look what the booklet for
Yxy(46.9135, 0.2476, 0.2435)
contains.

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Color

Yxy(46.7756, 0.2479, 0.2434)

Conversions

Conversions Part 1

Format	Color
Hex	9DB4FB
RGB	157, 180, 251
RGB Percent	62%, 71%, 98%
CMY	0.3841, 0.2941, 0.0158
CMYK	0.37, 0.28, 0.00, 0.02
HSL	225°, 92%, 80%
HSV	225°, 37%, 98%
XYZ	47.6404, 46.7756, 97.7599
YIQ	181.2170, -36.4990, 17.2050

Conversions

Conversions Part 2

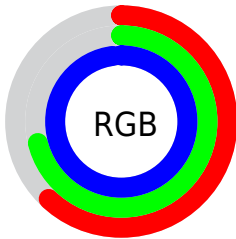
Format	Color
R _Y B	157, 175, 251
Decimal	10335483
CIE Lab	74.05, 9.05, -37.69
CIE LCh	74, 38.762, 283.496
Yxy	46.7756, 0.2479, 0.2434
Android (android.graphics.Color)	4288525563 (0xFF9DB4FB)
YUV	181.2170, 34.4030, -21.2383
Hunter-Lab	68.3927, 4.6508, -36.8737

Details

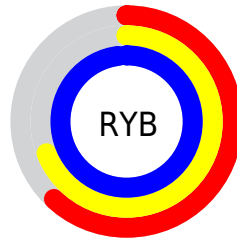
The Yxy color **46.7756, 0.2479, 0.2434** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **78.4358, 0.3771, 0.4018**, and the grayscale version is **46.1615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5070, 0.2874, 0.3092**, and **21.8986, 0.2309, 0.2217** is the 20% darker color. If you saturate the color by 10%, you get **37.3661, 0.2288, 0.2155**, and if you desaturate by 10%, it is **57.7547, 0.2667, 0.2695**.

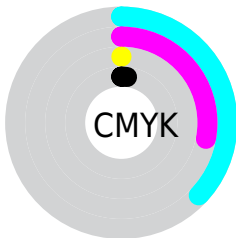
Distribution



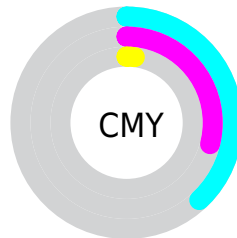
- Red (62%)
- Green (71%)
- Blue (98%)



- Red (62%)
- Yellow (69%)
- Blue (98%)



- Cyan (37%)
- Magenta (28%)
- Yellow (0%)
- Black (2%)



- Cyan (38%)
- Magenta (29%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7756, 0.2479, 0.2434 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 46.7756, 0.2479, 0.2434 by changing the saturation by 10% instead.

■ 46.7756, 0.2479,
0.2434

■ 46.7756, 0.2479,
0.2434

373.9181, 0.2796,
0.2841

■ 32.8583, 0.2403,
0.2340

■ 85.3786, 0.2592,
0.2577

■ 22.0179, 0.2309,
0.2223

■ 110.8330, 0.2635,
0.2632

■ 13.8701, 0.2187,
0.2076

140.9020, 0.2672,
0.2679

■ 8.0303, 0.2027,
0.1885

175.9698, 0.2703,
0.2720

■ 4.1144, 0.1807,
0.1631

216.4210, 0.2731,
0.2756

■ 1.7377, 0.1496,
0.1286

262.6398, 0.2755,

■ 0.4479, 0.1038,

0.2788

0.0719

315.0107, 0.2777,
0.2816

0.0000, 0.0000,
0.0000

46.7756, 0.2479,
0.2434

46.7756, 0.2479,
0.2434

37.3661, 0.2288,
0.2155

57.7547, 0.2667,
0.2695

29.4466, 0.2100,
0.1867

70.3671, 0.2846,
0.2934

22.9383, 0.1927,
0.1581

84.6794, 0.3012,
0.3147

17.7524, 0.1778,
0.1313

99.7432, 0.3150,
0.3328

13.7885, 0.1663,
0.1079

■ 10.9265, 0.1585,
0.0890

■ 10.3364, 0.1569,
0.0850

Harmonies

Analogous

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



46.7756, 0.2210, 0.2535



46.7756, 0.2479, 0.2434



46.7756, 0.2934, 0.2529

Triad

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



46.7756, 0.2479, 0.2434



46.7756, 0.4201, 0.3583



46.7756, 0.2728, 0.3882

Complementary

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



46.7756, 0.2479, 0.2434



78.4358, 0.3771, 0.4018

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.



46.7756, 0.3245, 0.4227



46.7756, 0.2479, 0.2434



46.7756, 0.4114, 0.3980

Square

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



46.7756, 0.2479, 0.2434



46.7756, 0.3966, 0.3160



46.7756, 0.3755, 0.4240



46.7756, 0.2340, 0.3344

Rectangle

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



46.7756, 0.2479, 0.2434



46.7756, 0.3300, 0.2686



46.7756, 0.3755, 0.4240



46.7756, 0.2892, 0.4030

Sweetspot

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



46.7774, 0.2479, 0.2434



82.2774, 0.2954, 0.3074



81.7220, 0.2715, 0.3560



17.1759, 0.2932, 0.3045



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.



46.7774, 0.2479, 0.2434



40.9308, 0.2333, 0.2223



40.8584, 0.2605, 0.2198



17.3318, 0.2979, 0.3105



5.6241, 0.1576, 0.0875



0.6795, 0.1637, 0.1093

Inverse Universe

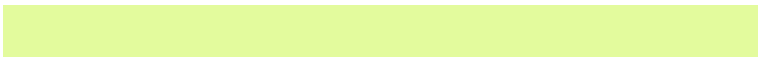
The Inverse Universe completely reimagines the original color for something new.



47.9278, 0.3820, 0.3048



42.9274, 0.4035, 0.3000



87.8228, 0.3527, 0.4278



17.2948, 0.3255, 0.3232



10.9787, 0.5951, 0.3052



1.0328, 0.5621, 0.2870

Previews

White Background



This preview shows how the Yxy color 46.7756, 0.2479, 0.2434 looks on a white background.

Color Contrast Check

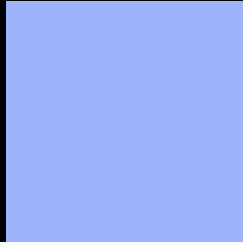
Large Text (above 18pt) WCAG AA × Fail

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 46.7756, 0.2479, 0.2434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

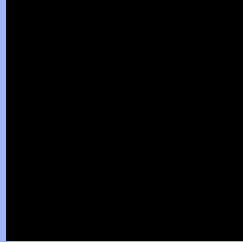
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7756, 0.2479, 0.2434

Background



This preview shows how black text looks on a background with the Yxy color 46.7756, 0.2479, 0.2434.



This preview shows how white text looks on a background with the Yxy color 46.7756, 0.2479, 0.2434.

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

46.7756, 0.2479, 0.2434

Protanopia

46.6159, 0.2501, 0.2435

Deuteranopia

46.5762, 0.2489, 0.2424



Tritanopia

46.8658, 0.2697, 0.3087

Trichromacy



Original Color

46.7756, 0.2479, 0.2434

Protanomaly

46.5133, 0.2495, 0.2434

Deuteranomaly

46.4743, 0.2483, 0.2423

Tritanomaly

46.8223, 0.2615, 0.2835

Monochromacy



Original Color

46.7756, 0.2479, 0.2434

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.2746, 0.2865, 0.2968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7756, 0.2479, 0.2434 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(157, 180, 251)` looks like.

```
.text, #text, p{  
    color:rgb(157, 180, 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(157, 180, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 180, 251) }
```

Border

The CSS property to change the border of an element to Yxy 46.7756, 0.2479, 0.2434 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(157, 180, 251) }
```

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

```
.border{ border-color:rgb(157, 180, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 180, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 180, 251); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 180, 251); box-shadow:4px 4px 4px 4px rgb(157, 180, 251) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7756, 0.2479, 0.2434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 180, 251) }
```

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

```
.background{ background-color: rgb(157,  
180, 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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