

Converting Colors

$Y_{xy}(46.8425, 0.2406, 0.2365)$

Have a look what the booklet for
Yxy(46.8425, 0.2406, 0.2365)
contains.

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Color

Yxy(46.8471, 0.2423, 0.2398)

Conversions

Conversions Part 1

Format	Color
Hex	97B5FF
RGB	151, 181, 255
RGB Percent	59%, 71%, 100%
CMY	0.4079, 0.2902, 0.0000
CMYK	0.41, 0.29, 0.00, 0.00
HSL	223°, 100%, 80%
HSV	223°, 41%, 100%
XYZ	47.3355, 46.8471, 101.1765
YIQ	180.4660, -41.6340, 16.6540

Conversions

Conversions Part 2

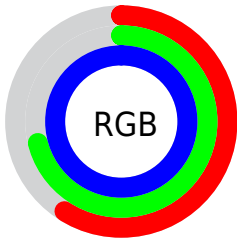
Format	Color
RYB	151, 174, 255
Decimal	9942527
CIELab	74.09, 8.00, -39.83
CIElCh	74, 40.630, 281.355
Yxy	46.8471, 0.2423, 0.2398
Android (android.graphics.Color)	4288132607 (0xFF97B5FF)
YUV	180.4660, 36.7453, -25.8417
Hunter-Lab	68.4449, 3.6693, -39.7320

Details

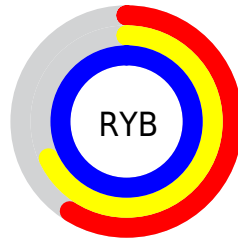
The Yxy color **46.8471, 0.2423, 0.2398** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.3269, 0.3853, 0.4041**, and the grayscale version is **45.7180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1983, 0.2839, 0.3100**, and **21.9485, 0.2240, 0.2172** is the 20% darker color. If you saturate the color by 10%, you get **37.7633, 0.2237, 0.2131**, and if you desaturate by 10%, it is **57.4189, 0.2609, 0.2650**.

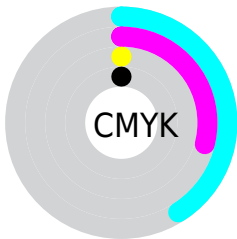
Distribution



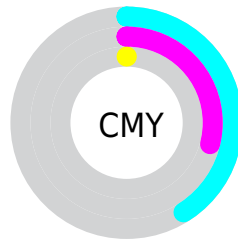
- Red (59%)
- Green (71%)
- Blue (100%)



- Red (59%)
- Yellow (68%)
- Blue (100%)



- Cyan (41%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)





- Cyan (41%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8471, 0.2423, 0.2398 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 46.8471, 0.2423, 0.2398 by changing the saturation by 10% instead.


 46.8471, 0.2423,
0.2398


 46.8471, 0.2423,
0.2398


374.2039, 0.2766,
0.2822

 32.9148, 0.2342,
0.2300


 85.4853, 0.2544,
0.2546

 22.0612, 0.2241,
0.2180


 110.9601, 0.2591,
0.2603

 13.9019, 0.2112,
0.2028


141.0511, 0.2631,
0.2653

 8.0524, 0.1942,
0.1832

176.1427, 0.2665,
0.2695

 4.1285, 0.1714,
0.1574

216.6195, 0.2695,
0.2733

 1.7457, 0.1395,
0.1227

262.8656, 0.2721,

 0.4530, 0.0934,

0.2766

0.0676

315.2656, 0.2745,
0.2795

0.0000, 0.0000,
0.0000

46.8471, 0.2423,
0.2398

46.8471, 0.2423,
0.2398

37.7633, 0.2237,
0.2131

57.4189, 0.2609,
0.2650

30.0962, 0.2059,
0.1856

69.5446, 0.2788,
0.2882

23.7682, 0.1898,
0.1585

83.2862, 0.2958,
0.3091

18.6933, 0.1762,
0.1332

98.7021, 0.3115,
0.3276

14.7734, 0.1659,
0.1109

100.0000, 0.3127,
0.3290

■ 12.0666, 0.1595,
0.0940

Harmonies

Analogous

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



46.8471, 0.2160, 0.2516



46.8471, 0.2423, 0.2398



46.8471, 0.2885, 0.2484

Triad

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



46.8471, 0.2423, 0.2398



46.8471, 0.4246, 0.3560



46.8471, 0.2744, 0.3948

Complementary

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



46.8471, 0.2423, 0.2398



77.3269, 0.3853, 0.4041

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.



46.8471, 0.3288, 0.4288



46.8471, 0.2423, 0.2398



46.8471, 0.4176, 0.3980

Square

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



46.8471, 0.2423, 0.2398



46.8471, 0.3977, 0.3122



46.8471, 0.3815, 0.4273



46.8471, 0.2326, 0.3387

Rectangle

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



46.8471, 0.2423, 0.2398



46.8471, 0.3265, 0.2639



46.8471, 0.3815, 0.4273



46.8471, 0.2917, 0.4098

Sweetspot

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



46.8472, 0.2423, 0.2398



81.5417, 0.2938, 0.3067



83.4674, 0.2709, 0.3651



17.0546, 0.2916, 0.3040



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.



46.8472, 0.2423, 0.2398



39.2868, 0.2270, 0.2180



38.0908, 0.2508, 0.2074



18.2319, 0.2979, 0.3116



6.5253, 0.1602, 0.0967



0.8132, 0.1663, 0.1185

Inverse Universe

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



46.7215, 0.3865, 0.2978



39.9962, 0.4096, 0.2919



91.2790, 0.3596, 0.4356



18.0733, 0.3249, 0.3222



11.3867, 0.5808, 0.2973



1.1266, 0.5488, 0.2797

Previews

White Background



This preview shows how the Yxy color 46.8471, 0.2423, 0.2398 looks on a white background.

Color Contrast Check

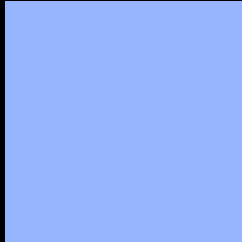
Large Text (above 18pt) WCAG AA × Fail

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 46.8471, 0.2423, 0.2398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

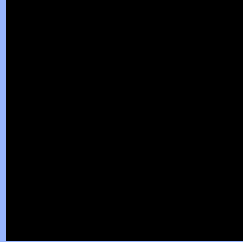
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8471, 0.2423, 0.2398

Background



This preview shows how black text looks on a background with the Yxy color 46.8471, 0.2423, 0.2398.



This preview shows how white text looks on a background with the Yxy color 46.8471, 0.2423, 0.2398.

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

46.8471, 0.2423, 0.2398

Protanopia

46.7669, 0.2473, 0.2394

Deuteranopia

46.9304, 0.2451, 0.2393



Tritanopia

46.6864, 0.2634, 0.3071

Trichromacy



Original Color

46.8471, 0.2423, 0.2398

Protanomaly

46.8662, 0.2457, 0.2402

Deuteranomaly

46.7325, 0.2439, 0.2390

Tritanomaly

46.7621, 0.2554, 0.2807

Monochromacy



Original Color

46.8471, 0.2423, 0.2398

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.5825, 0.2834, 0.2940

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8471, 0.2423, 0.2398 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(151, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(151, 181, 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(151, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 181, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.8471, 0.2423, 0.2398 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(151, 181, 255) }
```

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

```
.border{ border-color:rgb(151, 181, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(151, 181,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8471, 0.2423, 0.2398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 181, 255) }
```

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

```
.background{ background-color: rgb(151,  
181, 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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