

Converting Colors

Yxy(47.9932, 0.2440, 0.2430)

Have a look what the booklet for
Yxy(47.9932, 0.2440, 0.2430)
contains.

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Color

Yxy(47.8593, 0.2439, 0.2426)

Conversions

Conversions Part 1

Format	Color
Hex	99B7FF
RGB	153, 183, 255
RGB Percent	60%, 72%, 100%
CMY	0.4001, 0.2823, 0.0000
CMYK	0.40, 0.28, 0.00, 0.00
HSL	222°, 100%, 80%
HSV	222°, 40%, 100%
XYZ	48.1158, 47.8593, 101.3015
YIQ	182.2380, -40.9920, 16.0320

Conversions

Conversions Part 2

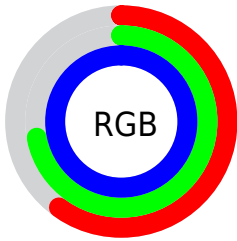
Format	Color
RYB	153, 176, 255
Decimal	10074111
CIELab	74.74, 7.39, -38.80
CIElCh	75, 39.501, 280.780
Yxy	47.8593, 0.2439, 0.2426
Android (android.graphics.Color)	4288264191 (0xFF99B7FF)
YUV	182.2380, 35.8717, -25.6417
Hunter-Lab	69.1804, 3.0830, -38.3926

Details

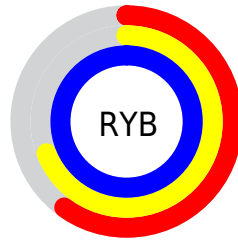
The Yxy color **47.8593, 0.2439, 0.2426** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.3873, 0.3840, 0.4021**, and the grayscale version is **46.7322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6546, 0.2852, 0.3122**, and **22.5839, 0.2260, 0.2209** is the 20% darker color. If you saturate the color by 10%, you get **38.6852, 0.2254, 0.2162**, and if you desaturate by 10%, it is **58.5160, 0.2624, 0.2675**.

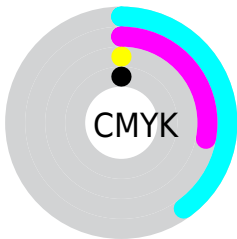
Distribution



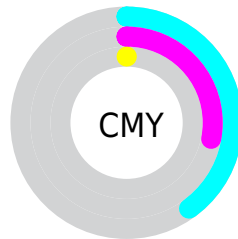
- Red (60%)
- Green (72%)
- Blue (100%)



- Red (60%)
- Yellow (69%)
- Blue (100%)



- Cyan (40%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8593, 0.2439, 0.2426 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 47.8593, 0.2439, 0.2426 by changing the saturation by 10% instead.

■ 47.8593, 0.2439,
0.2426

■ 47.8593, 0.2439,
0.2426

378.2342, 0.2773,
0.2836

■ 33.7155, 0.2360,
0.2331

■ 86.9949, 0.2557,
0.2569

■ 22.6751, 0.2262,
0.2215

■ 112.7554, 0.2603,
0.2625

■ 14.3538, 0.2136,
0.2068

143.1570, 0.2641,
0.2672

■ 8.3671, 0.1972,
0.1878

178.5840, 0.2675,
0.2714

■ 4.3308, 0.1749,
0.1626

219.4208, 0.2704,
0.2750

■ 1.8603, 0.1438,
0.1286

266.0519, 0.2730,

■ 0.5243, 0.0992,

0.2782

0.0766

318.8615, 0.2753,
0.2811

0.0000, 0.0000,
0.0000

47.8593, 0.2439,
0.2426

47.8593, 0.2439,
0.2426

38.6852, 0.2254,
0.2162

58.5160, 0.2624,
0.2675

30.9184, 0.2075,
0.1889

70.7147, 0.2802,
0.2902

24.4848, 0.1913,
0.1619

84.5179, 0.2971,
0.3108

19.3003, 0.1775,
0.1365

99.9831, 0.3127,
0.3290

15.2693, 0.1670,
0.1139

99.9995, 0.3127,
0.3290

■ 12.2603, 0.1598,
0.0953

Harmonies

Analogous

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



47.8593, 0.2187, 0.2547



47.8593, 0.2439, 0.2426



47.8593, 0.2884, 0.2505

Triad

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



47.8593, 0.2439, 0.2426



47.8593, 0.4205, 0.3546



47.8593, 0.2767, 0.3933

Complementary

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



47.8593, 0.2439, 0.2426



77.3873, 0.3840, 0.4021

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.



47.8593, 0.3295, 0.4254



47.8593, 0.2439, 0.2426



47.8593, 0.4145, 0.3953

Square

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



47.8593, 0.2439, 0.2426



47.8593, 0.3940, 0.3121



47.8593, 0.3803, 0.4236



47.8593, 0.2359, 0.3395

Rectangle

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



47.8593, 0.2439, 0.2426



47.8593, 0.3250, 0.2654



47.8593, 0.3803, 0.4236



47.8593, 0.2936, 0.4074

Sweetspot

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



47.8611, 0.2439, 0.2426



81.6404, 0.2938, 0.3069



83.6879, 0.2716, 0.3643



17.0777, 0.2916, 0.3042



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.



47.8611, 0.2439, 0.2426



40.4133, 0.2291, 0.2216



38.9234, 0.2523, 0.2100



18.2490, 0.2979, 0.3117



6.6301, 0.1606, 0.0980



0.8252, 0.1666, 0.1199

Inverse Universe

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



47.4538, 0.3838, 0.2978



40.7765, 0.4058, 0.2919



91.4062, 0.3587, 0.4336



18.0750, 0.3248, 0.3220



11.3973, 0.5788, 0.2962



1.1278, 0.5468, 0.2786

Previews

White Background



This preview shows how the Yxy color 47.8593, 0.2439, 0.2426 looks on a white background.

Color Contrast Check

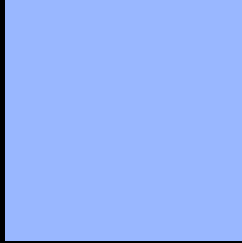
Large Text (above 18pt) WCAG AA × Fail

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 47.8593, 0.2439, 0.2426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

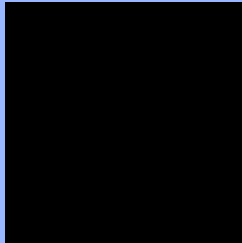
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8593, 0.2439, 0.2426

Background



This preview shows how black text looks on a background with the Yxy color 47.8593, 0.2439, 0.2426.



This preview shows how white text looks on a background with the Yxy color 47.8593, 0.2439, 0.2426.

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

47.8593, 0.2439, 0.2426

Protanopia

47.8210, 0.2501, 0.2433

Deuteranopia

47.6387, 0.2472, 0.2409



Tritanopia

47.8670, 0.2650, 0.3087

Trichromacy



Original Color

47.8593, 0.2439, 0.2426

Protanomaly

47.9826, 0.2479, 0.2431

Deuteranomaly

47.8440, 0.2461, 0.2419

Tritanomaly

47.7968, 0.2570, 0.2835

Monochromacy



Original Color

47.8593, 0.2439, 0.2426

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.7173, 0.2837, 0.2943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8593, 0.2439, 0.2426 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(153, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 183, 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(153, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 183, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.8593, 0.2439, 0.2426 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(153, 183, 255) }
```

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

```
.border{ border-color:rgb(153, 183, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 183,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8593, 0.2439, 0.2426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 183, 255) }
```

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

```
.background{ background-color: rgb(153,  
183, 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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