

Converting Colors

$Yxy(48.6911, 0.2496, 0.2373)$

Have a look what the booklet for
Yxy(48.6911, 0.2496, 0.2373)
contains.

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Color

Yxy(48.4832, 0.2522, 0.2421)

Conversions

Conversions Part 1

Format	Color
Hex	A7B5FF
RGB	167, 181, 255
RGB Percent	65%, 71%, 100%
CMY	0.3451, 0.2902, 0.0001
CMYK	0.34, 0.29, 0.00, 0.00
HSL	230°, 100%, 83%
HSV	230°, 34%, 100%
XYZ	50.5058, 48.4832, 101.2720
YIQ	185.2500, -32.0980, 20.0460

Conversions

Conversions Part 2

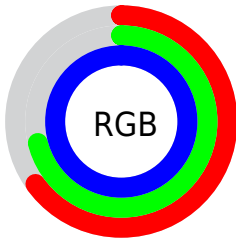
Format	Color
RYB	167, 179, 255
Decimal	10991103
CIELab	75.13, 12.19, -38.11
CIELCh	75, 40.010, 287.735
Yxy	48.4832, 0.2522, 0.2421
Android (android.graphics.Color)	4289181183 (0xFFA7B5FF)
YUV	185.2500, 34.3867, -16.0053
Hunter-Lab	69.6299, 7.6222, -37.4924

Details

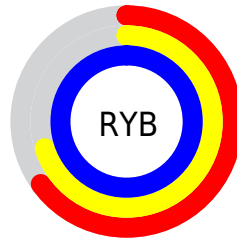
The Yxy color **48.4832, 0.2522, 0.2421** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.9313, 0.3692, 0.4030**, and the grayscale version is **48.4817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6357, 0.2936, 0.3106**, and **22.9603, 0.2362, 0.2205** is the 20% darker color. If you saturate the color by 10%, you get **37.9182, 0.2322, 0.2116**, and if you desaturate by 10%, it is **60.9406, 0.2715, 0.2706**.

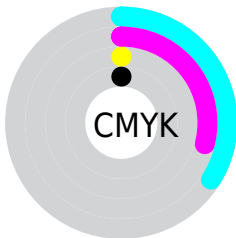
Distribution



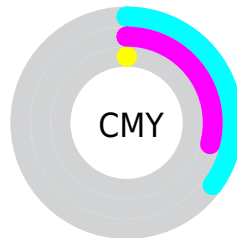
- Red (65%)
- Green (71%)
- Blue (100%)



- Red (65%)
- Yellow (70%)
- Blue (100%)



- Cyan (34%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4832, 0.2522, 0.2421 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 48.4832, 0.2522, 0.2421 by changing the saturation by 10% instead.

■ 48.4832, 0.2522,
0.2421

■ 48.4832, 0.2522,
0.2421

■ 380.7042, 0.2818,
0.2830

■ 34.2097, 0.2452,
0.2327

■ 87.9234, 0.2627,
0.2563

■ 23.0547, 0.2364,
0.2212

■ 113.8589, 0.2667,
0.2619

■ 14.6339, 0.2250,
0.2067

■ 144.4505, 0.2702,
0.2666

■ 8.5629, 0.2101,
0.1881

■ 180.0827, 0.2731,
0.2707

■ 4.4572, 0.1897,
0.1635

■ 221.1397, 0.2757,
0.2744

■ 1.9324, 0.1607,
0.1302

■ 268.0060, 0.2780,


■ 0.5678, 0.1189,


0.2776


0.0806


321.0661, 0.2800,
0.2804

 0.0000, 0.0000,
0.0000


 48.4832, 0.2522,
0.2421


 48.4832, 0.2522,
0.2421


 37.9182, 0.2322,
0.2116


 60.9406, 0.2715,
0.2706


 29.1468, 0.2122,
0.1800


 75.3719, 0.2895,
0.2965

 22.0691, 0.1934,
0.1491

 91.8602, 0.3059,
0.3196

 16.5731, 0.1771,
0.1206

 99.9976, 0.3127,
0.3290

 12.5328, 0.1645,
0.0966

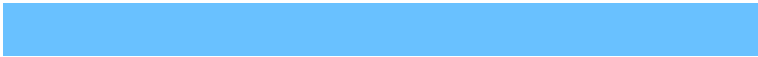
■ 9.8015, 0.1561,
0.0786

■ 8.7750, 0.1532,
0.0714

Harmonies

Analogous

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



48.4832, 0.2219, 0.2493



48.4832, 0.2522, 0.2421



48.4832, 0.3006, 0.2544

Triad

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



48.4832, 0.2522, 0.2421



48.4832, 0.4229, 0.3648



48.4832, 0.2653, 0.3823

Complementary

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



48.4832, 0.2522, 0.2421



86.9313, 0.3692, 0.4030

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.



48.4832, 0.3169, 0.4218



48.4832, 0.2522, 0.2421



48.4832, 0.4095, 0.4040

Square

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



48.4832, 0.2522, 0.2421



48.4832, 0.4036, 0.3216



48.4832, 0.3699, 0.4277



48.4832, 0.2285, 0.3266

Rectangle

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



48.4832, 0.2522, 0.2421



48.4832, 0.3384, 0.2717



48.4832, 0.3699, 0.4277



48.4832, 0.2814, 0.3985

Sweetspot

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



48.4851, 0.2522, 0.2421



82.5553, 0.2970, 0.3072



86.0221, 0.2707, 0.3452



17.1818, 0.2947, 0.3039



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.



48.4851, 0.2522, 0.2421



41.4182, 0.2392, 0.2224



46.6372, 0.2708, 0.2308



17.8446, 0.2979, 0.3084



4.7238, 0.1537, 0.0733



0.5876, 0.1585, 0.0906

Inverse Universe

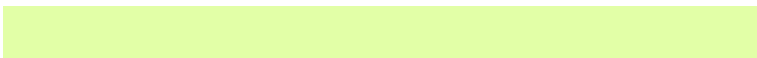
The Inverse Universe completely reimagines the original color for something new.



52.2296, 0.3817, 0.3145



46.0100, 0.4012, 0.3118



90.3981, 0.3449, 0.4215



18.0342, 0.3269, 0.3252



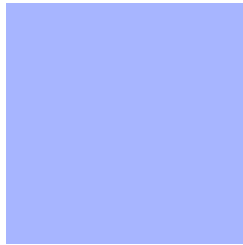
11.2048, 0.6178, 0.3177



1.1039, 0.5903, 0.3025

Previews

White Background



This preview shows how the Yxy color 48.4832, 0.2522, 0.2421 looks on a white background.

Color Contrast Check

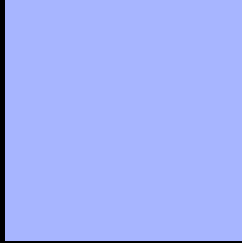
Large Text (above 18pt) WCAG AA × Fail

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 48.4832, 0.2522, 0.2421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

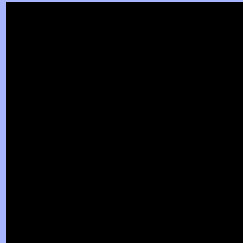
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.4832, 0.2522, 0.2421

Background



This preview shows how black text looks on a background with the Yxy color 48.4832, 0.2522, 0.2421.



This preview shows how white text looks on a background with the Yxy color 48.4832, 0.2522, 0.2421.

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

48.4832, 0.2522, 0.2421

Protanopia

48.4624, 0.2498, 0.2427

Deuteranopia

48.3573, 0.2492, 0.2426



Tritanopia

48.3511, 0.2755, 0.3079

Trichromacy



Original Color

48.4832, 0.2522, 0.2421

Protanomaly

48.5684, 0.2504, 0.2428

Deuteranomaly

48.5684, 0.2504, 0.2428

Tritanomaly

48.3960, 0.2665, 0.2821

Monochromacy



Original Color

48.4832, 0.2522, 0.2421

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.3991, 0.2885, 0.2963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4832, 0.2522, 0.2421 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(167, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 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(167, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 181, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.4832, 0.2522, 0.2421 is called "border". The border property can be set on classes, ids or directly on the HTML element.

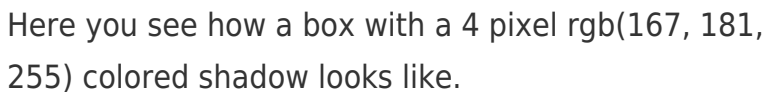
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 181, 255) }
```

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

```
.border{ border-color:rgb(167, 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(167, 181, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(167, 181,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4832, 0.2522, 0.2421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 181, 255) }
```

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

```
.background{ background-color: rgb(167,  
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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