

Converting Colors

$Y_{xy}(58.9062, 0.2215, 0.1770)$

Have a look what the booklet for
Yxy(58.9062, 0.2215, 0.1770)
contains.

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Color

Yxy(51.4013, 0.2644, 0.2471)

Conversions

Conversions Part 1

Format	Color
Hex	B9B7FF
RGB	185, 183, 255
RGB Percent	73%, 72%, 100%
CMY	0.2743, 0.2824, 0.0001
CMYK	0.27, 0.28, 0.00, 0.00
HSL	242°, 100%, 86%
HSV	242°, 28%, 100%
XYZ	55.0000, 51.4013, 101.6169
YIQ	191.8060, -21.9200, 22.8160

Conversions

Conversions Part 2

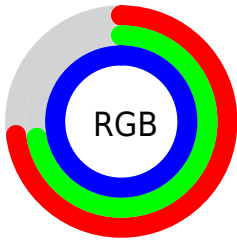
Format	Color
RYB	185, 183, 255
Decimal	12171263
CIELab	76.92, 16.13, -35.24
CIELCh	77, 38.756, 294.599
Yxy	51.4013, 0.2644, 0.2471
Android (android.graphics.Color)	4290361343 (0xFFB9B7FF)
YUV	191.8060, 31.1546, -5.9689
Hunter-Lab	71.6947, 11.4691, -33.8487

Details

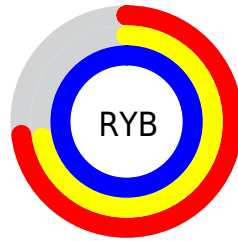
The Yxy color **51.4013, 0.2644, 0.2471** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **95.7943, 0.3541, 0.4002**, and the grayscale version is **52.4237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8302, 0.3050, 0.3132**, and **24.7883, 0.2514, 0.2275** is the 20% darker color. If you saturate the color by 10%, you get **39.0036, 0.2438, 0.2125**, and if you desaturate by 10%, it is **66.2447, 0.2834, 0.2791**.

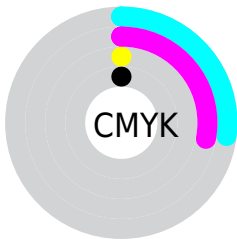
Distribution



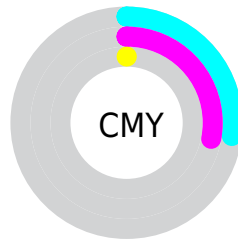
- Red (73%)
- Green (72%)
- Blue (100%)



- Red (73%)
- Yellow (72%)
- Blue (100%)



- Cyan (27%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4013, 0.2644, 0.2471 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 51.4013, 0.2644, 0.2471 by changing the saturation by 10% instead.

■ 51.4013, 0.2644,
0.2471

■ 51.4013, 0.2644,
0.2471

392.1209, 0.2881,
0.2852

■ 36.5281, 0.2587,
0.2384

■ 92.2477, 0.2728,
0.2603

■ 24.8423, 0.2516,
0.2278

118.9896, 0.2761,
0.2654

■ 15.9596, 0.2425,
0.2145

150.4566, 0.2788,
0.2699

■ 9.4956, 0.2303,
0.1974

187.0331, 0.2812,
0.2737

■ 5.0658, 0.2134,
0.1747

229.1033, 0.2832,
0.2771

■ 2.2859, 0.1889,
0.1439

277.0518, 0.2850,

■ 0.7662, 0.1517,

0.2801

0.1007

331.2628, 0.2866,
0.2828

0.0000, 0.0263,
0.0000

0.0000, 0.0000,
0.0000

51.4013, 0.2644,
0.2471

51.4013, 0.2644,
0.2471

39.0036, 0.2438,
0.2125

66.2447, 0.2834,
0.2791

28.9148, 0.2224,
0.1768

83.6486, 0.3003,
0.3079

20.9938, 0.2014,
0.1420

99.9990, 0.3127,
0.3290

15.0820, 0.1824,
0.1108

■ 10.9987, 0.1671,
0.0859

■ 8.5313, 0.1565,
0.0694

■ 7.3929, 0.1512,
0.0613

■ 7.2665, 0.1506,
0.0603

Harmonies

Analogous

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



51.4013, 0.2309, 0.2497



51.4013, 0.2644, 0.2471



51.4013, 0.3135, 0.2627

Triad

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



51.4013, 0.2644, 0.2471



51.4013, 0.4173, 0.3727



51.4013, 0.2581, 0.3680

Complementary

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



51.4013, 0.2644, 0.2471



95.7943, 0.3541, 0.4002

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.



51.4013, 0.3051, 0.4107



51.4013, 0.2644, 0.2471



51.4013, 0.3981, 0.4077

Square

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



51.4013, 0.2644, 0.2471



51.4013, 0.4059, 0.3316



51.4013, 0.3565, 0.4243



51.4013, 0.2272, 0.3152

Rectangle

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



51.4013, 0.2644, 0.2471



51.4013, 0.3494, 0.2813



51.4013, 0.3565, 0.4243



51.4013, 0.2724, 0.3845

Sweetspot

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



51.4033, 0.2644, 0.2471



84.1021, 0.3007, 0.3085



88.0321, 0.2715, 0.3276



17.4027, 0.2983, 0.3044



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.



51.4033, 0.2644, 0.2471



43.9717, 0.2527, 0.2274



56.3258, 0.2895, 0.2526



17.4027, 0.2983, 0.3044



3.8082, 0.1509, 0.0605



0.3792, 0.1529, 0.0616

Inverse Universe

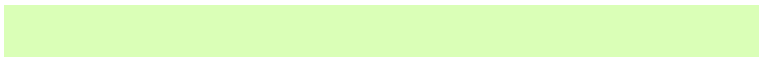
The Inverse Universe completely reimagines the original color for something new.



62.2051, 0.3176, 0.2603



56.4361, 0.3186, 0.2465



89.8014, 0.3307, 0.4059



18.2908, 0.3143, 0.3063



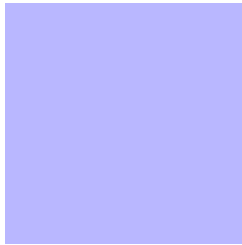
14.6427, 0.3283, 0.1582



1.4285, 0.3274, 0.1577

Previews

White Background



This preview shows how the Yxy color 51.4013, 0.2644, 0.2471 looks on a white background.

Color Contrast Check

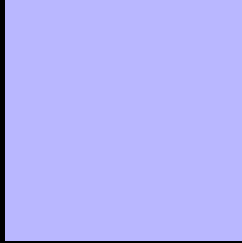
Large Text (above 18pt) WCAG AA × Fail

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 51.4013, 0.2644, 0.2471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

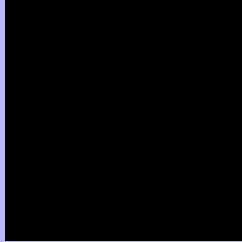
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4013, 0.2644, 0.2471

Background



This preview shows how black text looks on a background with the Yxy color 51.4013, 0.2644, 0.2471.



This preview shows how white text looks on a background with the Yxy color 51.4013, 0.2644, 0.2471.

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

51.4013, 0.2644, 0.2471

Protanopia

51.3067, 0.2550, 0.2497

Deuteranopia

51.4671, 0.2569, 0.2510



Tritanopia

51.4344, 0.2895, 0.3101

Trichromacy



Original Color

51.4013, 0.2644, 0.2471

Protanomaly

51.4518, 0.2581, 0.2492

Deuteranomaly

51.6207, 0.2600, 0.2505

Tritanomaly

51.3607, 0.2801, 0.2863

Monochromacy



Original Color

51.4013, 0.2644, 0.2471

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

52.1203, 0.2936, 0.2975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4013, 0.2644, 0.2471 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(185, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 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(185, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 183, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.4013, 0.2644, 0.2471 is called "border". The border property can be set on classes, ids or directly on the HTML element.

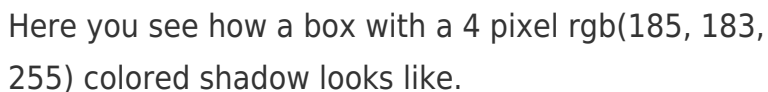
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 183, 255) }
```

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

```
.border{ border-color:rgb(185, 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(185, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 183,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4013, 0.2644, 0.2471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 183, 255) }
```

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

```
.background{ background-color: rgb(185,  
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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