

Converting Colors

Yxy(51.8331, 0.2839, 0.2802)

Have a look what the booklet for
Yxy(51.8331, 0.2839, 0.2802)
contains.

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Color

Yxy(51.8335, 0.2839, 0.2802)

Conversions

Conversions Part 1

Format	Color
Hex	BCBBE4
RGB	188, 187, 228
RGB Percent	74%, 73%, 89%
CMY	0.2626, 0.2667, 0.1059
CMYK	0.18, 0.18, 0.00, 0.11
HSL	242°, 43%, 81%
HSV	242°, 18%, 89%
XYZ	52.5180, 51.8335, 80.6361
YIQ	191.9730, -12.5650, 12.9630

Conversions

Conversions Part 2

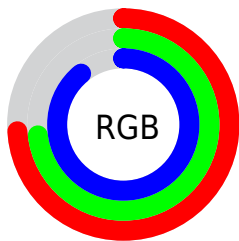
Format	Color
R _Y B	188, 187, 228
Decimal	12368868
CIE Lab	77.18, 8.65, -20.29
CIE LCh	77, 22.057, 293.087
Yxy	51.8335, 0.2839, 0.2802
Android (android.graphics.Color)	4290558948 (0xFFBCBBE4)
YUV	191.9730, 17.7613, -3.4843
Hunter-Lab	71.9955, 4.2168, -16.0089

Details

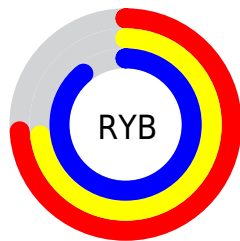
The Yxy color **51.8335, 0.2839, 0.2802** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **75.4012, 0.3390, 0.3737**, and the grayscale version is **52.5990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7337, 0.3069, 0.3173**, and **25.0971, 0.2762, 0.2687** is the 20% darker color. If you saturate the color by 10%, you get **40.3084, 0.2651, 0.2485**, and if you desaturate by 10%, it is **65.3333, 0.3008, 0.3087**.

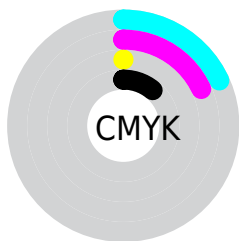
Distribution



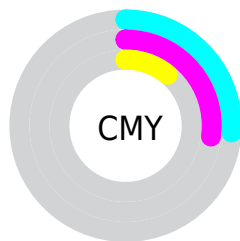
- Red (74%)
- Green (73%)
- Blue (89%)



- Red (74%)
- Yellow (73%)
- Blue (89%)



- Cyan (18%)
- Magenta (18%)
- Yellow (0%)
- Black (11%)



- Cyan (26%)
- Magenta (27%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.8335, 0.2839, 0.2802 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 51.8335, 0.2839, 0.2802 by changing the saturation by 10% instead.

■ 51.8335, 0.2839,
0.2802

■ 51.8335, 0.2839,
0.2802

393.7935, 0.2981,
0.3035

■ 36.8724, 0.2804,
0.2747

■ 92.8856, 0.2890,
0.2884

■ 25.1087, 0.2761,
0.2678

119.7455, 0.2909,
0.2916

■ 16.1581, 0.2703,
0.2590

151.3403, 0.2926,
0.2943

■ 9.6361, 0.2625,
0.2472

188.0545, 0.2940,
0.2966

■ 5.1583, 0.2514,
0.2308

230.2726, 0.2952,
0.2987

■ 2.3405, 0.2342,
0.2066

278.3788, 0.2963,

■ 0.7950, 0.2050,

0.3005

0.1675

332.7577, 0.2972,
0.3021

0.0000, 0.0000,
0.0000

51.8335, 0.2839,
0.2802

51.8335, 0.2839,
0.2802

40.3084, 0.2651,
0.2485

65.3333, 0.3008,
0.3087

30.6596, 0.2446,
0.2142

80.8875, 0.3155,
0.3338

22.7896, 0.2233,
0.1786

98.3259, 0.3284,
0.3552

16.5898, 0.2023,
0.1439

98.3815, 0.3286,
0.3552

11.9396, 0.1833,
0.1126

■ 8.7025, 0.1678,
0.0874

■ 6.7179, 0.1570,
0.0702

■ 5.7672, 0.1513,
0.0615

■ 5.6386, 0.1506,
0.0603

Harmonies

Analogous

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



51.8335, 0.2640, 0.2833



51.8335, 0.2839, 0.2802



51.8335, 0.3123, 0.2888

Triad

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



51.8335, 0.2839, 0.2802



51.8335, 0.3721, 0.3551



51.8335, 0.2830, 0.3522

Complementary

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



51.8335, 0.2839, 0.2802



75.4012, 0.3390, 0.3737

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.



51.8335, 0.3109, 0.3743



51.8335, 0.2839, 0.2802



51.8335, 0.3630, 0.3744

Square

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



51.8335, 0.2839, 0.2802



51.8335, 0.3644, 0.3307



51.8335, 0.3403, 0.3822



51.8335, 0.2635, 0.3238

Rectangle

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



51.8335, 0.2839, 0.2802



51.8335, 0.3325, 0.3000



51.8335, 0.3403, 0.3822



51.8335, 0.2916, 0.3608

Sweetspot

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



51.8356, 0.2839, 0.2802



89.8517, 0.3053, 0.3165



71.2783, 0.2857, 0.3281



18.9384, 0.3043, 0.3146



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.



51.8356, 0.2839, 0.2802



60.3434, 0.2763, 0.2674



54.5769, 0.2992, 0.2823



13.9044, 0.2984, 0.3047



3.2635, 0.1508, 0.0604



0.2473, 0.1531, 0.0617

Inverse Universe

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



57.5776, 0.3156, 0.2856



69.1901, 0.3163, 0.2754



72.3143, 0.3243, 0.3759



14.6086, 0.3142, 0.3064



12.5804, 0.3273, 0.1577



0.9316, 0.3263, 0.1571

Previews

White Background



This preview shows how the Yxy color 51.8335, 0.2839, 0.2802 looks on a white background.

Color Contrast Check

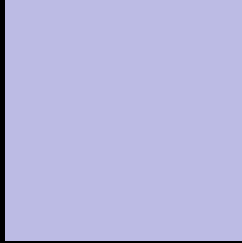
Large Text (above 18pt) WCAG AA × Fail

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 51.8335, 0.2839, 0.2802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

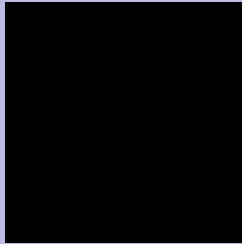
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.8335, 0.2839, 0.2802

Background



This preview shows how black text looks on a background with the Yxy color 51.8335, 0.2839, 0.2802.



This preview shows how white text looks on a background with the Yxy color 51.8335, 0.2839, 0.2802.

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

51.8335, 0.2839, 0.2802

Protanopia

51.9974, 0.2790, 0.2810

Deuteranopia

51.6664, 0.2853, 0.2792



Tritanopia

51.9082, 0.2962, 0.3104

Trichromacy



Original Color

51.8335, 0.2839, 0.2802

Protanomaly

51.8139, 0.2803, 0.2799

Deuteranomaly

51.5381, 0.2846, 0.2791

Tritanomaly

51.9962, 0.2913, 0.2996

Monochromacy



Original Color

51.8335, 0.2839, 0.2802

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

52.3111, 0.3024, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8335, 0.2839, 0.2802 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(188, 187, 228)` looks like.

```
.text, #text, p{  
    color:rgb(188, 187, 228)  
}
```

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(188, 187, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 187, 228) }
```

Border

The CSS property to change the border of an element to Yxy 51.8335, 0.2839, 0.2802 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(188, 187, 228) }
```

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

```
.border{ border-color:rgb(188, 187, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 187, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 187, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 187, 228);  
box-shadow:4px 4px 4px 4px rgb(188, 187,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8335, 0.2839, 0.2802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 187, 228) }
```

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

```
.background{ background-color: rgb(188,  
187, 228) }
```

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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