

Converting Colors

Yxy(51.2066, 0.2896, 0.2761)

Have a look what the booklet for
Yxy(51.2066, 0.2896, 0.2761)
contains.

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Color

Yxy(51.2042, 0.2897, 0.2762)

Conversions

Conversions Part 1

Format	Color
Hex	C4B7E4
RGB	196, 183, 228
RGB Percent	77%, 72%, 89%
CMY	0.2313, 0.2824, 0.1057
CMYK	0.14, 0.20, 0.00, 0.11
HSL	257°, 46%, 81%
HSV	257°, 20%, 89%
XYZ	53.7069, 51.2042, 80.4770
YIQ	192.0170, -6.6970, 16.7510

Conversions

Conversions Part 2

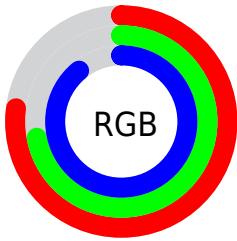
Format	Color
R _Y B	196, 183, 228
Decimal	12892132
CIE Lab	76.80, 13.35, -20.82
CIE LCh	77, 24.738, 302.672
Yxy	51.2042, 0.2897, 0.2762
Android (android.graphics.Color)	4291082212 (0xFFC4B7E4)
YUV	192.0170, 17.7396, 3.4931
Hunter-Lab	71.5571, 8.7476, -16.5908

Details

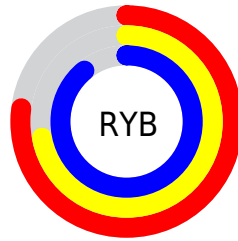
The Yxy color **51.2042, 0.2897, 0.2762** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **73.3766, 0.3328, 0.3796**, and the grayscale version is **52.6225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8357, 0.3121, 0.3136**, and **24.6946, 0.2838, 0.2636** is the 20% darker color. If you saturate the color by 10%, you get **40.4907, 0.2755, 0.2458**, and if you desaturate by 10%, it is **63.6810, 0.3022, 0.3042**.

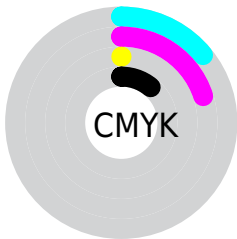
Distribution



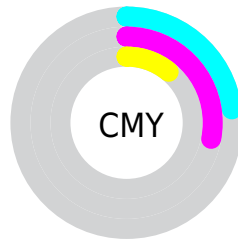
- Red (77%)
- Green (72%)
- Blue (89%)



- Red (77%)
- Yellow (72%)
- Blue (89%)



- Cyan (14%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)



- Cyan (23%)
- Magenta (28%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.2042, 0.2897, 0.2762 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 51.2042, 0.2897, 0.2762 by changing the saturation by 10% instead.

■ 51.2042, 0.2897,
0.2762

■ 51.2042, 0.2897,
0.2762

■ 391.3566, 0.3012,
0.3013

■ 36.3711, 0.2869,
0.2703

■ 91.9565, 0.2939,
0.2850

■ 24.7210, 0.2832,
0.2630

■ 118.6446, 0.2954,
0.2884

■ 15.8693, 0.2785,
0.2536

■ 150.0532, 0.2968,
0.2913

■ 9.4317, 0.2719,
0.2411

■ 186.5666, 0.2979,
0.2939

■ 5.0238, 0.2624,
0.2238

■ 228.5692, 0.2989,
0.2961

■ 2.2612, 0.2475,
0.1986

■ 276.4455, 0.2998,

■ 0.7531, 0.2217,

0.2980

0.1578

330.5799, 0.3005,
0.2998

0.0000, 0.0000,
0.0000

51.2042, 0.2897,
0.2762

51.2042, 0.2897,
0.2762

40.4907, 0.2755,
0.2458

63.6810, 0.3022,
0.3042

31.4533, 0.2598,
0.2137

77.9900, 0.3130,
0.3296

24.0071, 0.2428,
0.1811

94.2044, 0.3222,
0.3522

18.0568, 0.2253,
0.1496

98.3834, 0.3285,
0.3552

13.4969, 0.2080,
0.1210

■ 10.2074, 0.1921,
0.0975

■ 8.0470, 0.1786,
0.0805

■ 6.7836, 0.1679,
0.0700

■ 6.7571, 0.1677,
0.0697

Harmonies

Analogous

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



51.2042, 0.2638, 0.2752



51.2042, 0.2897, 0.2762



51.2042, 0.3231, 0.2896

Triad

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



51.2042, 0.2897, 0.2762



51.2042, 0.3783, 0.3659



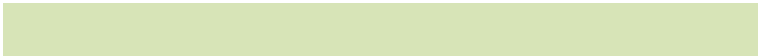
51.2042, 0.2709, 0.3451

Complementary

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



51.2042, 0.2897, 0.2762



73.3766, 0.3328, 0.3796

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.



51.2042, 0.2999, 0.3738



51.2042, 0.2897, 0.2762



51.2042, 0.3623, 0.3845

Square

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



51.2042, 0.2897, 0.2762



51.2042, 0.3758, 0.3395



51.2042, 0.3334, 0.3883



51.2042, 0.2534, 0.3130

Rectangle

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



51.2042, 0.2897, 0.2762



51.2042, 0.3453, 0.3039



51.2042, 0.3334, 0.3883



51.2042, 0.2796, 0.3557

Sweetspot

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



51.2063, 0.2897, 0.2762



88.6182, 0.3064, 0.3140



64.4117, 0.2823, 0.3140



18.7141, 0.3056, 0.3123



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.



51.2063, 0.2897, 0.2762



59.6342, 0.2837, 0.2631



54.4179, 0.3072, 0.2789



14.0878, 0.3025, 0.3050



3.9529, 0.1690, 0.0705



0.3383, 0.1844, 0.0790

Inverse Universe

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



55.2737, 0.3252, 0.2936



65.8879, 0.3285, 0.2855



70.2309, 0.3169, 0.3822



14.5405, 0.3182, 0.3124



11.0550, 0.4102, 0.2033



0.8328, 0.3941, 0.1944

Previews

White Background



This preview shows how the Yxy color 51.2042, 0.2897, 0.2762 looks on a white background.

Color Contrast Check

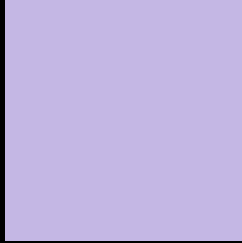
Large Text (above 18pt) WCAG AA × Fail

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 51.2042, 0.2897, 0.2762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

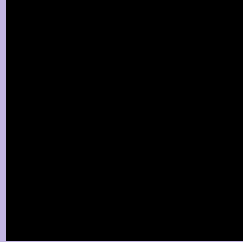
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.2042, 0.2897, 0.2762

Background



This preview shows how black text looks on a background with the Yxy color 51.2042, 0.2897, 0.2762.



This preview shows how white text looks on a background with the Yxy color 51.2042, 0.2897, 0.2762.

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

51.2042, 0.2897, 0.2762

Protanopia

51.4393, 0.2762, 0.2773

Deuteranopia

51.1182, 0.2845, 0.2779



Tritanopia

51.4372, 0.3054, 0.3118

Trichromacy



Original Color

51.2042, 0.2897, 0.2762

Protanomaly

51.2701, 0.2810, 0.2766

Deuteranomaly

51.0889, 0.2867, 0.2770

Tritanomaly

51.1584, 0.2996, 0.2987

Monochromacy



Original Color

51.2042, 0.2897, 0.2762

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

52.1404, 0.3040, 0.3095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2042, 0.2897, 0.2762 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(196, 183, 228)` looks like.

```
.text, #text, p{  
    color:rgb(196, 183, 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(196, 183, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 183, 228) }
```

Border

The CSS property to change the border of an element to Yxy 51.2042, 0.2897, 0.2762 is called "border". The border property can be set on classes, ids or directly on the HTML element.

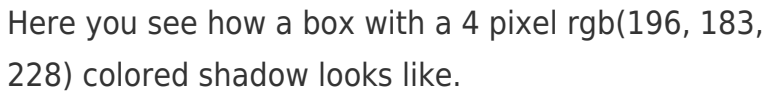
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 183, 228) }
```

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

```
.border{ border-color:rgb(196, 183, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 183, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 183, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 183, 228); box-shadow:4px 4px 4px 4px rgb(196, 183, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2042, 0.2897, 0.2762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 183, 228) }
```

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

```
.background{ background-color: rgb(196,  
183, 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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