

Converting Colors

$Y_{xy}(51.4289, 0.2870, 0.2720)$

Have a look what the booklet for
Yxy(51.4289, 0.2870, 0.2720)
contains.

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Color

Yxy(51.4289, 0.2870, 0.2720)

Conversions

Conversions Part 1

Format	Color
Hex	C4B7E8
RGB	196, 183, 232
RGB Percent	77%, 72%, 91%
CMY	0.2313, 0.2824, 0.0903
CMYK	0.15, 0.21, 0.00, 0.09
HSL	256°, 52%, 81%
HSV	256°, 21%, 91%
XYZ	54.2651, 51.4289, 83.3829
YIQ	192.4730, -7.9810, 17.9950

Conversions

Conversions Part 2

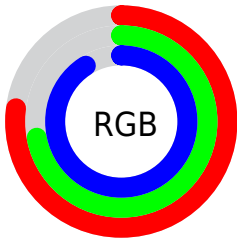
Format	Color
R _Y B	196, 183, 232
Decimal	12892136
CIE Lab	76.94, 14.20, -22.74
CIE LCh	77, 26.809, 301.976
Yxy	51.4289, 0.2870, 0.2720
Android (android.graphics.Color)	4291082216 (0xFFC4B7E8)
YUV	192.4730, 19.4868, 3.0932
Hunter-Lab	71.7139, 9.5693, -18.7376

Details

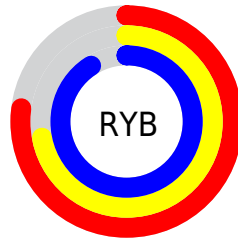
The Yxy color **51.4289, 0.2870, 0.2720** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **76.1616, 0.3350, 0.3832**, and the grayscale version is **52.8930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8357, 0.3121, 0.3136**, and **24.8506, 0.2802, 0.2581** is the 20% darker color. If you saturate the color by 10%, you get **40.4823, 0.2721, 0.2411**, and if you desaturate by 10%, it is **64.2157, 0.3001, 0.3005**.

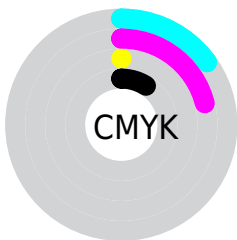
Distribution



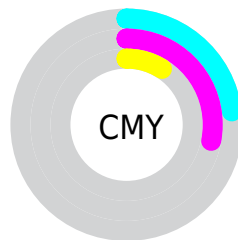
- Red (77%)
- Green (72%)
- Blue (91%)



- Red (77%)
- Yellow (72%)
- Blue (91%)



- Cyan (15%)
- Magenta (21%)
- Yellow (0%)
- Black (9%)



- Cyan (23%)
- Magenta (28%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4289, 0.2870, 0.2720 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 51.4289, 0.2870, 0.2720 by changing the saturation by 10% instead.

■ 51.4289, 0.2870,
0.2720

■ 51.4289, 0.2870,
0.2720

392.2279, 0.2998,
0.2990

■ 36.5501, 0.2838,
0.2657

■ 92.2884, 0.2916,
0.2815

■ 24.8593, 0.2798,
0.2579

119.0379, 0.2934,
0.2851

■ 15.9723, 0.2745,
0.2479

150.5131, 0.2949,
0.2883

■ 9.5045, 0.2673,
0.2347

187.0983, 0.2961,
0.2910

■ 5.0717, 0.2569,
0.2165

229.1780, 0.2972,
0.2934

■ 2.2894, 0.2407,
0.1903

277.1366, 0.2982,

■ 0.7681, 0.2131,

0.2955

0.1490

331.3584, 0.2991,
0.2973

0.0000, 0.0192,
0.0000

0.0000, 0.0000,
0.0000

51.4289, 0.2870,
0.2720

51.4289, 0.2870,
0.2720

40.4823, 0.2721,
0.2411

64.2157, 0.3001,
0.3005

31.2837, 0.2557,
0.2086

78.9163, 0.3116,
0.3263

23.7424, 0.2382,
0.1757

95.6082, 0.3213,
0.3493

17.7570, 0.2202,
0.1441

98.6041, 0.3262,
0.3513

■ 13.2145, 0.2028,
0.1159

■ 9.9861, 0.1871,
0.0931

■ 7.9190, 0.1740,
0.0771

■ 6.8395, 0.1651,
0.0683

Harmonies

Analogous

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



51.4289, 0.2595, 0.2711



51.4289, 0.2870, 0.2720



51.4289, 0.3230, 0.2861

Triad

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



51.4289, 0.2870, 0.2720



51.4289, 0.3839, 0.3680



51.4289, 0.2681, 0.3472

Complementary

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



51.4289, 0.2870, 0.2720



76.1616, 0.3350, 0.3832

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.



51.4289, 0.2995, 0.3783



51.4289, 0.2870, 0.2720



51.4289, 0.3669, 0.3887

Square

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



51.4289, 0.2870, 0.2720



51.4289, 0.3808, 0.3394



51.4289, 0.3357, 0.3936



51.4289, 0.2491, 0.3123

Rectangle

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



51.4289, 0.2870, 0.2720



51.4289, 0.3471, 0.3013



51.4289, 0.3357, 0.3936



51.4289, 0.2775, 0.3587

Sweetspot

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



51.4310, 0.2870, 0.2720



88.5559, 0.3061, 0.3140



66.9325, 0.2803, 0.3148



18.6994, 0.3054, 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.



51.4310, 0.2870, 0.2720



58.0318, 0.2812, 0.2598



54.8637, 0.3054, 0.2750



14.0717, 0.3022, 0.3050



3.8508, 0.1664, 0.0690



0.3290, 0.1814, 0.0773

Inverse Universe

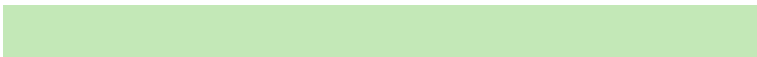
The Inverse Universe completely reimagines the original color for something new.



56.1278, 0.3253, 0.2899



64.8059, 0.3282, 0.2822



72.7460, 0.3183, 0.3861



14.5463, 0.3178, 0.3119



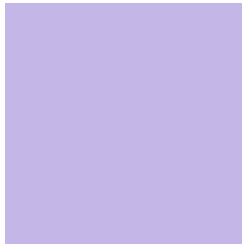
11.1629, 0.4018, 0.1987



0.8401, 0.3874, 0.1908

Previews

White Background



This preview shows how the Yxy color 51.4289, 0.2870, 0.2720 looks on a white background.

Color Contrast Check

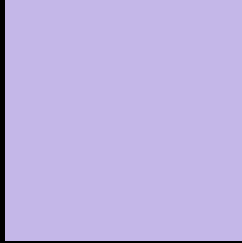
Large Text (above 18pt) WCAG AA × Fail

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 51.4289, 0.2870, 0.2720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

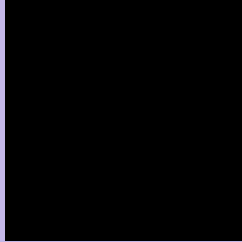
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4289, 0.2870, 0.2720

Background



This preview shows how black text looks on a background with the Yxy color 51.4289, 0.2870, 0.2720.



This preview shows how white text looks on a background with the Yxy color 51.4289, 0.2870, 0.2720.

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

51.4289, 0.2870, 0.2720

Protanopia

51.5483, 0.2729, 0.2728

Deuteranopia

51.5787, 0.2818, 0.2757



Tritanopia

51.3546, 0.3039, 0.3105

Trichromacy



Original Color

51.4289, 0.2870, 0.2720

Protanomaly

51.3726, 0.2777, 0.2721

Deuteranomaly

51.5438, 0.2840, 0.2748

Tritanomaly

51.3103, 0.2974, 0.2952

Monochromacy



Original Color

51.4289, 0.2870, 0.2720

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

52.2376, 0.3025, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4289, 0.2870, 0.2720 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(196, 183, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 183, 232) }
```

Border

The CSS property to change the border of an element to Yxy 51.4289, 0.2870, 0.2720 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, 232) }
```

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

```
.border{ border-color:rgb(196, 183, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 183, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 183, 232);  
box-shadow:4px 4px 4px 4px rgb(196, 183,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4289, 0.2870, 0.2720 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, 232) }
```

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

```
.background{ background-color: rgb(196,  
183, 232) }
```

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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