

Converting Colors

$Yxy(58.9362, 0.2319, 0.1865)$

Have a look what the booklet for
Yxy(58.9362, 0.2319, 0.1865)
contains.

Yxy(52.8227, 0.2720, 0.2488)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.8227, 0.2720, 0.2488)

Conversions

Conversions Part 1

Format	Color
Hex	C4B7FF
RGB	196, 183, 255
RGB Percent	77%, 72%, 100%
CMY	0.2313, 0.2823, 0.0001
CMYK	0.23, 0.28, 0.00, 0.00
HSL	251°, 100%, 86%
HSV	251°, 28%, 100%
XYZ	57.7483, 52.8227, 101.7389
YIQ	195.0950, -15.3640, 25.1480

Conversions

Conversions Part 2

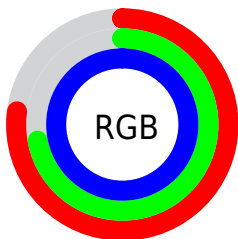
Format	Color
R_{YB}	196, 183, 255
Decimal	12892159
CIE _{Lab}	77.77, 19.30, -33.85
CIE _{LCh}	78, 38.970, 299.690
Yxy	52.8227, 0.2720, 0.2488
Android (android.graphics.Color)	4291082239 (0xFFC4B7FF)
YUV	195.0950, 29.5332, 0.7937
Hunter-Lab	72.6792, 14.6410, -32.1207

Details

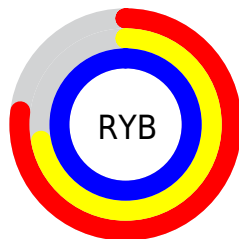
The Yxy color **52.8227, 0.2720, 0.2488** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **93.7940, 0.3467, 0.4020**, and the grayscale version is **54.4626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8357, 0.3121, 0.3136**, and **25.7052, 0.2610, 0.2301** is the 20% darker color. If you saturate the color by 10%, you get **40.6329, 0.2542, 0.2156**, and if you desaturate by 10%, it is **67.3117, 0.2881, 0.2798**.

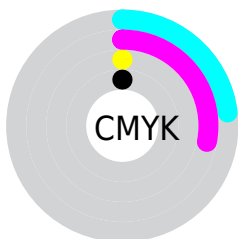
Distribution



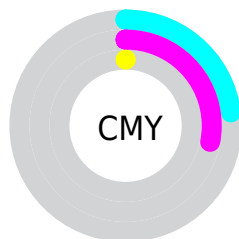
- Red (77%)
- Green (72%)
- Blue (100%)



- Red (77%)
- Yellow (72%)
- Blue (100%)



- Cyan (23%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.8227, 0.2720, 0.2488 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 52.8227, 0.2720, 0.2488 by changing the saturation by 10% instead.

■ 52.8227, 0.2720,
0.2488

■ 52.8227, 0.2720,
0.2488

397.6045, 0.2921,
0.2859

■ 37.6613, 0.2672,
0.2404

■ 94.3434, 0.2792,
0.2616

■ 25.7199, 0.2611,
0.2302

121.4715, 0.2819,
0.2666

■ 16.6142, 0.2532,
0.2173

153.3572, 0.2842,
0.2709

■ 9.9598, 0.2427,
0.2009

190.3850, 0.2862,
0.2747

■ 5.3723, 0.2280,
0.1791

232.9392, 0.2880,
0.2780

■ 2.4673, 0.2065,
0.1495

281.4043, 0.2895,

■ 0.8602, 0.1729,

0.2809

0.1084

336.1646, 0.2909,
0.2835

0.0000, 0.0834,
0.0000

0.0000, 0.0000,
0.0000

52.8227, 0.2720,
0.2488

52.8227, 0.2720,
0.2488

40.6329, 0.2542,
0.2156

67.3117, 0.2881,
0.2798

30.6172, 0.2352,
0.1815

84.2040, 0.3024,
0.3080

22.6478, 0.2158,
0.1482

99.9985, 0.3127,
0.3290

16.5810, 0.1972,
0.1179

■ 12.2541, 0.1807,
0.0930

■ 9.4762, 0.1675,
0.0753

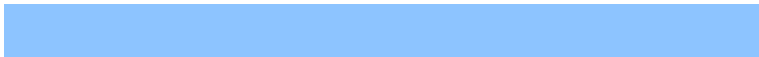
■ 7.9900, 0.1584,
0.0652

■ 7.8019, 0.1571,
0.0639

Harmonies

Analogous

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



52.8227, 0.2355, 0.2481



52.8227, 0.2720, 0.2488



52.8227, 0.3226, 0.2671

Triad

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



52.8227, 0.2720, 0.2488



52.8227, 0.4157, 0.3792



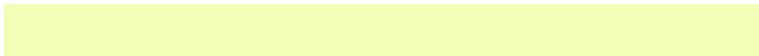
52.8227, 0.2517, 0.3590

Complementary

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



52.8227, 0.2720, 0.2488



93.7940, 0.3467, 0.4020

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.



52.8227, 0.2965, 0.4048



52.8227, 0.2720, 0.2488



52.8227, 0.3921, 0.4119

Square

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



52.8227, 0.2720, 0.2488



52.8227, 0.4096, 0.3386



52.8227, 0.3479, 0.4240



52.8227, 0.2244, 0.3069

Rectangle

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



52.8227, 0.2720, 0.2488



52.8227, 0.3581, 0.2871



52.8227, 0.3479, 0.4240



52.8227, 0.2651, 0.3761

Sweetspot

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



52.8248, 0.2720, 0.2488



84.6351, 0.3027, 0.3087



81.3756, 0.2702, 0.3159



17.5357, 0.3007, 0.3046



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.



52.8248, 0.2720, 0.2488



45.5240, 0.2619, 0.2299



58.0730, 0.2977, 0.2545



17.5357, 0.3007, 0.3046



4.1227, 0.1582, 0.0645



0.4421, 0.1675, 0.0696

Inverse Universe

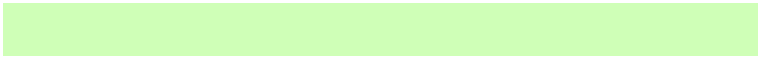
The Inverse Universe completely reimagines the original color for something new.



61.5319, 0.3259, 0.2703



55.6271, 0.3292, 0.2582



88.1883, 0.3237, 0.4076



18.2407, 0.3166, 0.3097



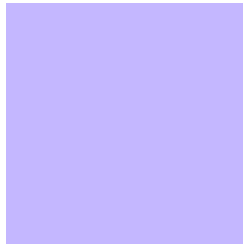
13.5316, 0.3728, 0.1828



1.3316, 0.3658, 0.1789

Previews

White Background



This preview shows how the Yxy color 52.8227, 0.2720, 0.2488 looks on a white background.

Color Contrast Check

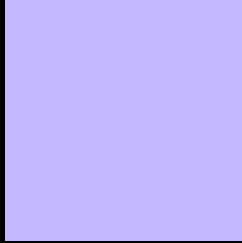
Large Text (above 18pt) WCAG AA × Fail

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 52.8227, 0.2720, 0.2488 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 52.8227, 0.2720, 0.2488

Background



This preview shows how black text looks on a background with the Yxy color 52.8227, 0.2720, 0.2488.

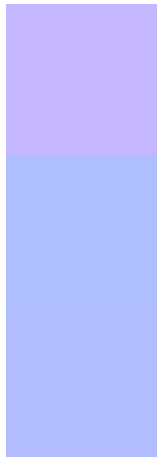


This preview shows how white text looks on a background with the Yxy color 52.8227, 0.2720, 0.2488.

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

52.8227, 0.2720, 0.2488

Protanopia

53.0456, 0.2580, 0.2538

Deuteranopia

52.8981, 0.2604, 0.2540



Tritanopia

52.7691, 0.2978, 0.3105

Trichromacy



Original Color

52.8227, 0.2720, 0.2488

Protanomaly

52.7057, 0.2628, 0.2513

Deuteranomaly

52.8868, 0.2647, 0.2526

Tritanomaly

52.7242, 0.2882, 0.2873

Monochromacy



Original Color

52.8227, 0.2720, 0.2488

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

53.8735, 0.2969, 0.2981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.8227, 0.2720, 0.2488 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 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(196, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 183, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.8227, 0.2720, 0.2488 is called "border". The border property can be set on classes, ids or directly on the HTML element.

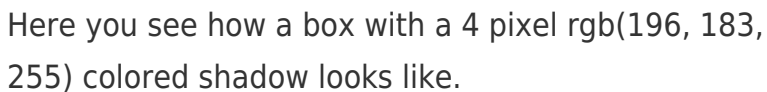
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 183, 255) }
```

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

```
.border{ border-color:rgb(196, 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(196, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 183,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.8227, 0.2720, 0.2488 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, 255) }
```

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

```
.background{ background-color: rgb(196,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor