

Converting Colors

$Y_{xy}(52.0225, 0.2933, 0.2865)$

Have a look what the booklet for
Yxy(52.0225, 0.2933, 0.2865)
contains.

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Color

Yxy(51.9938, 0.2933, 0.2863)

Conversions

Conversions Part 1

Format	Color
Hex	C3BADE
RGB	195, 186, 222
RGB Percent	76%, 73%, 87%
CMY	0.2350, 0.2707, 0.1293
CMYK	0.12, 0.16, 0.00, 0.13
HSL	255°, 35%, 80%
HSV	255°, 16%, 87%
XYZ	53.2650, 51.9938, 76.3472
YIQ	192.7950, -6.1920, 13.1040

Conversions

Conversions Part 2

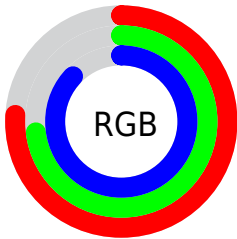
Format	Color
R_{YB}	195, 186, 222
Decimal	12827358
CIE _{Lab}	77.28, 10.17, -16.86
CIE _{LCh}	77, 19.689, 301.106
Yxy	51.9938, 0.2933, 0.2863
Android (android.graphics.Color)	4291017438 (0xFFC3BADE)
YUV	192.7950, 14.3981, 1.9338
Hunter-Lab	72.1067, 5.6707, -12.3020

Details

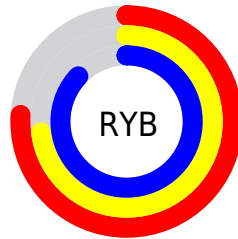
The Yxy color **51.9938, 0.2933, 0.2863** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **69.9307, 0.3302, 0.3700**, and the grayscale version is **53.1251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4197, 0.3114, 0.3165**, and **25.2278, 0.2876, 0.2754** is the 20% darker color. If you saturate the color by 10%, you get **41.2676, 0.2790, 0.2565**, and if you desaturate by 10%, it is **64.4234, 0.3058, 0.3135**.

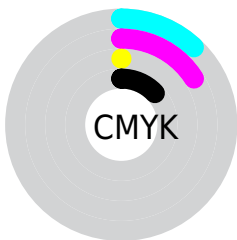
Distribution



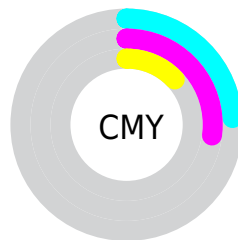
- Red (76%)
- Green (73%)
- Blue (87%)



- Red (76%)
- Yellow (73%)
- Blue (87%)



- Cyan (12%)
- Magenta (16%)
- Yellow (0%)
- Black (13%)



- Cyan (24%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.9938, 0.2933, 0.2863 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 51.9938, 0.2933, 0.2863 by changing the saturation by 10% instead.

■ 51.9938, 0.2933,
0.2863

■ 51.9938, 0.2933,
0.2863

394.4127, 0.3029,
0.3067

■ 37.0001, 0.2909,
0.2815

■ 93.1221, 0.2968,
0.2935

■ 25.2076, 0.2879,
0.2754

120.0255, 0.2981,
0.2963

■ 16.2318, 0.2839,
0.2676

151.6676, 0.2992,
0.2987

■ 9.6883, 0.2784,
0.2572

188.4329, 0.3002,
0.3007

■ 5.1928, 0.2705,
0.2427

230.7056, 0.3010,
0.3025

■ 2.3608, 0.2579,
0.2210

278.8702, 0.3017,

■ 0.8056, 0.2358,

0.3041

0.1852

333.3111, 0.3024,
0.3055

0.0000, 0.0000,
0.0000

51.9938, 0.2933,
0.2863

51.9938, 0.2933,
0.2863

41.2676, 0.2790,
0.2565

64.4234, 0.3058,
0.3135

32.1634, 0.2631,
0.2246

78.6202, 0.3166,
0.3379

24.6028, 0.2458,
0.1917

94.6525, 0.3258,
0.3595

18.4983, 0.2278,
0.1591

98.0549, 0.3321,
0.3611

13.7531, 0.2098,
0.1288

■ 10.2589, 0.1930,
0.1030

■ 7.8897, 0.1786,
0.0835

■ 6.4899, 0.1673,
0.0711

■ 6.1165, 0.1638,
0.0676

Harmonies

Analogous

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



51.9938, 0.2729, 0.2863



51.9938, 0.2933, 0.2863



51.9938, 0.3197, 0.2966

Triad

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



51.9938, 0.2933, 0.2863



51.9938, 0.3648, 0.3579



51.9938, 0.2806, 0.3432

Complementary

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



51.9938, 0.2933, 0.2863



69.9307, 0.3302, 0.3700

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.



51.9938, 0.3041, 0.3649



51.9938, 0.2933, 0.2863



51.9938, 0.3532, 0.3726

Square

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



51.9938, 0.2933, 0.2863



51.9938, 0.3620, 0.3367



51.9938, 0.3307, 0.3758



51.9938, 0.2658, 0.3180

Rectangle

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



51.9938, 0.2933, 0.2863



51.9938, 0.3373, 0.3080



51.9938, 0.3307, 0.3758



51.9938, 0.2877, 0.3512

Sweetspot

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



51.9960, 0.2933, 0.2863



90.3699, 0.3072, 0.3165



63.3039, 0.2878, 0.3183



19.0638, 0.3064, 0.3147



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.



51.9960, 0.2933, 0.2863



66.6535, 0.2893, 0.2779



54.5313, 0.3074, 0.2881



13.4096, 0.3020, 0.3050



3.6771, 0.1650, 0.0683



0.2969, 0.1807, 0.0769

Inverse Universe

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



55.4416, 0.3216, 0.2987



72.1252, 0.3235, 0.2931



67.3968, 0.3171, 0.3717



13.8734, 0.3176, 0.3116



10.8778, 0.3968, 0.1960



0.7681, 0.3826, 0.1881

Previews

White Background



This preview shows how the Yxy color 51.9938, 0.2933, 0.2863 looks on a white background.

Color Contrast Check

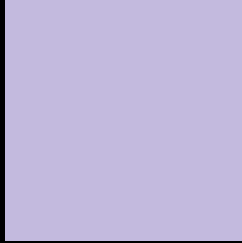
Large Text (above 18pt) WCAG AA × Fail

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 51.9938, 0.2933, 0.2863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

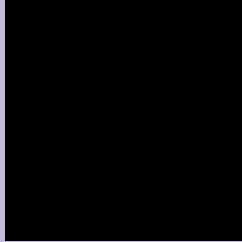
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.9938, 0.2933, 0.2863

Background



This preview shows how black text looks on a background with the Yxy color 51.9938, 0.2933, 0.2863.



This preview shows how white text looks on a background with the Yxy color 51.9938, 0.2933, 0.2863.

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

51.9938, 0.2933, 0.2863

Protanopia

51.9674, 0.2837, 0.2868

Deuteranopia

51.8611, 0.2925, 0.2862



Tritanopia

51.9613, 0.3039, 0.3106

Trichromacy



Original Color

51.9938, 0.2933, 0.2863

Protanomaly

51.9855, 0.2873, 0.2870

Deuteranomaly

51.8611, 0.2925, 0.2862

Tritanomaly

52.0070, 0.2996, 0.3012

Monochromacy



Original Color

51.9938, 0.2933, 0.2863

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

52.6559, 0.3055, 0.3120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9938, 0.2933, 0.2863 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(195, 186, 222)` looks like.

```
.text, #text, p{  
    color:rgb(195, 186, 222)  
}
```

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(195, 186, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 186, 222) }
```

Border

The CSS property to change the border of an element to Yxy 51.9938, 0.2933, 0.2863 is called "border". The border property can be set on classes, ids or directly on the HTML element.

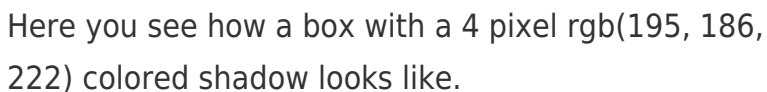
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 186, 222) }
```

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

```
.border{ border-color:rgb(195, 186, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 186, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 186, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 186, 222); box-shadow:4px 4px 4px 4px rgb(195, 186, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9938, 0.2933, 0.2863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 186, 222) }
```

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

```
.background{ background-color: rgb(195,  
186, 222) }
```

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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