

Converting Colors

$Y_{xy}(52.2666, 0.2959, 0.2850)$

Have a look what the booklet for
Yxy(52.2666, 0.2959, 0.2850)
contains.

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Color

Yxy(52.1678, 0.2956, 0.2844)

Conversions

Conversions Part 1

Format	Color
Hex	C7B9DF
RGB	199, 185, 223
RGB Percent	78%, 73%, 87%
CMY	0.2196, 0.2745, 0.1254
CMYK	0.11, 0.17, 0.00, 0.13
HSL	262°, 37%, 80%
HSV	262°, 17%, 87%
XYZ	54.2222, 52.1678, 77.0411
YIQ	193.5180, -3.8540, 14.7860

Conversions

Conversions Part 2

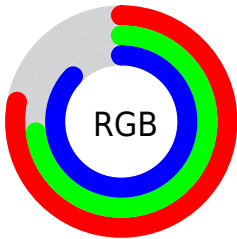
Format	Color
RYB	199, 185, 223
Decimal	13089247
CIELab	77.38, 12.18, -17.22
CIELCh	77, 21.088, 305.276
Yxy	52.1678, 0.2956, 0.2844
Android (android.graphics.Color)	4291279327 (0xFFC7B9DF)
YUV	193.5180, 14.5346, 4.8077
Hunter-Lab	72.2273, 7.6052, -12.6824

Details

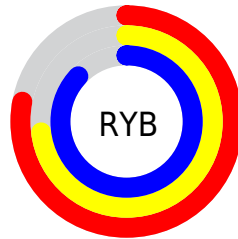
The Yxy color **52.1678, 0.2956, 0.2844** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **69.8530, 0.3278, 0.3726**, and the grayscale version is **53.5649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3906, 0.3133, 0.3156**, and **25.3494, 0.2907, 0.2730** is the 20% darker color. If you saturate the color by 10%, you get **41.7190, 0.2835, 0.2551**, and if you desaturate by 10%, it is **64.2633, 0.3062, 0.3114**.

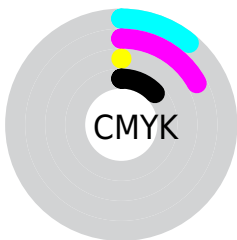
Distribution



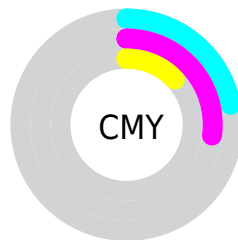
- Red (78%)
- Green (73%)
- Blue (87%)



- Red (78%)
- Yellow (73%)
- Blue (87%)



- Cyan (11%)
- Magenta (17%)
- Yellow (0%)
- Black (13%)



- Cyan (22%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.1678, 0.2956, 0.2844 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 52.1678, 0.2956, 0.2844 by changing the saturation by 10% instead.

■ 52.1678, 0.2956,
0.2844

■ 52.1678, 0.2956,
0.2844

■ 395.0841, 0.3042,
0.3057

■ 37.1388, 0.2935,
0.2794

■ 93.3787, 0.2987,
0.2919

■ 25.3150, 0.2908,
0.2731

■ 120.3294, 0.2999,
0.2948

■ 16.3119, 0.2872,
0.2651

■ 152.0228, 0.3009,
0.2972

■ 9.7451, 0.2823,
0.2544

■ 188.8432, 0.3017,
0.2994

■ 5.2303, 0.2751,
0.2395

■ 231.1752, 0.3024,
0.3012

■ 2.3830, 0.2636,
0.2174

■ 279.4031, 0.3031,

■ 0.8171, 0.2433,

0.3029

0.1814

333.9112, 0.3036,
0.3044

0.0000, 0.0239,
0.0000

0.0000, 0.0000,
0.0000

52.1678, 0.2956,
0.2844

52.1678, 0.2956,
0.2844

41.7190, 0.2835,
0.2551

64.2633, 0.3062,
0.3114

32.8374, 0.2698,
0.2242

78.0671, 0.3152,
0.3360

25.4467, 0.2548,
0.1927

93.6458, 0.3230,
0.3580

19.4615, 0.2390,
0.1618

98.1091, 0.3315,
0.3601

■ 14.7875, 0.2229,
0.1334

■ 11.3181, 0.2074,
0.1091

■ 8.9293, 0.1933,
0.0906

■ 7.4605, 0.1815,
0.0785

■ 7.1252, 0.1783,
0.0756

Harmonies

Analogous

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



52.1678, 0.2726, 0.2827



52.1678, 0.2956, 0.2844



52.1678, 0.3242, 0.2967

Triad

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



52.1678, 0.2956, 0.2844



52.1678, 0.3677, 0.3625



52.1678, 0.2755, 0.3404

Complementary

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



52.1678, 0.2956, 0.2844



69.8530, 0.3278, 0.3726

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.



52.1678, 0.2996, 0.3649



52.1678, 0.2956, 0.2844



52.1678, 0.3531, 0.3770

Square

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



52.1678, 0.2956, 0.2844



52.1678, 0.3669, 0.3404



52.1678, 0.3280, 0.3785



52.1678, 0.2614, 0.3136

Rectangle

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



52.1678, 0.2956, 0.2844



52.1678, 0.3426, 0.3094



52.1678, 0.3280, 0.3785



52.1678, 0.2826, 0.3493

Sweetspot

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



52.1700, 0.2956, 0.2844



90.6366, 0.3081, 0.3166



61.2865, 0.2863, 0.3125



19.1285, 0.3074, 0.3148



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.



52.1700, 0.2956, 0.2844



66.0560, 0.2920, 0.2755



54.9276, 0.3106, 0.2864



13.4876, 0.3038, 0.3052



4.2473, 0.1798, 0.0764



0.3440, 0.1971, 0.0859

Inverse Universe

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



54.9972, 0.3256, 0.3020



70.5157, 0.3284, 0.2968



67.2488, 0.3141, 0.3745



13.8456, 0.3194, 0.3143



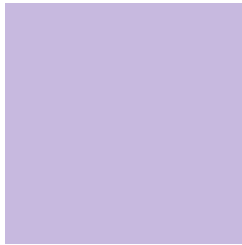
10.3768, 0.4405, 0.2200



0.7363, 0.4172, 0.2072

Previews

White Background



This preview shows how the Yxy color 52.1678, 0.2956, 0.2844 looks on a white background.

Color Contrast Check

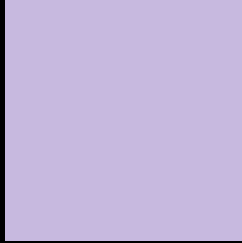
Large Text (above 18pt) WCAG AA × Fail

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 52.1678, 0.2956, 0.2844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

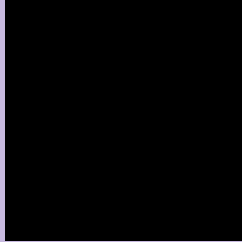
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.1678, 0.2956, 0.2844

Background



This preview shows how black text looks on a background with the Yxy color 52.1678, 0.2956, 0.2844.



This preview shows how white text looks on a background with the Yxy color 52.1678, 0.2956, 0.2844.

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

52.1678, 0.2956, 0.2844

Protanopia

52.5082, 0.2825, 0.2857

Deuteranopia

52.4705, 0.2926, 0.2864



Tritanopia

52.0140, 0.3079, 0.3108

Trichromacy



Original Color

52.1678, 0.2956, 0.2844

Protanomaly

52.2215, 0.2867, 0.2849

Deuteranomaly

52.1813, 0.2933, 0.2853

Tritanomaly

52.0641, 0.3035, 0.3014

Monochromacy



Original Color

52.1678, 0.2956, 0.2844

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

53.4051, 0.3063, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1678, 0.2956, 0.2844 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(199, 185, 223)` looks like.

```
.text, #text, p{  
    color:rgb(199, 185, 223)  
}
```

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(199, 185, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 185, 223) }
```

Border

The CSS property to change the border of an element to Yxy 52.1678, 0.2956, 0.2844 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(199, 185, 223) }
```

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

```
.border{ border-color:rgb(199, 185, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 185, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 185, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 185, 223);  
box-shadow:4px 4px 4px 4px rgb(199, 185,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1678, 0.2956, 0.2844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 185, 223) }
```

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

```
.background{ background-color: rgb(199,  
185, 223) }
```

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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