

Converting Colors

$Yxy(42.2348, 0.2853, 0.2866)$

Have a look what the booklet for
Yxy(42.2348, 0.2853, 0.2866)
contains.

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Color

Yxy(42.2997, 0.2851, 0.2870)

Conversions

Conversions Part 1

Format	Color
Hex	A9ACCC
RGB	169, 172, 204
RGB Percent	66%, 67%, 80%
CMY	0.3371, 0.3255, 0.2001
CMYK	0.17, 0.16, 0.00, 0.20
HSL	235°, 26%, 73%
HSV	235°, 17%, 80%
XYZ	42.0197, 42.2997, 63.0663
YIQ	174.7510, -12.0600, 9.3160

Conversions

Conversions Part 2

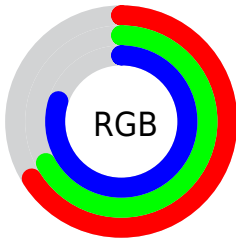
Format	Color
R _{YB}	169, 172, 204
Decimal	11119820
CIE Lab	71.08, 5.57, -16.58
CIE LCh	71, 17.492, 288.552
Yxy	42.2997, 0.2851, 0.2870
Android (android.graphics.Color)	4289309900 (0xFFA9ACCC)
YUV	174.7510, 14.4198, -5.0436
Hunter-Lab	65.0382, 1.5078, -11.9657

Details

The Yxy color $42.2997, 0.2851, 0.2870$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $57.4941, 0.3388, 0.3678$, and the grayscale version is $42.6671, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.0055, 0.2934, 0.3001$, and $19.4169, 0.2772, 0.2752$ is the 20% darker color. If you saturate the color by 10%, you get $33.6005, 0.2666, 0.2584$, and if you desaturate by 10%, it is $52.3538, 0.3019, 0.3126$.

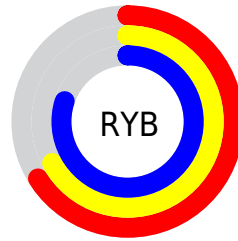
Distribution



Red (66%)

Green (67%)

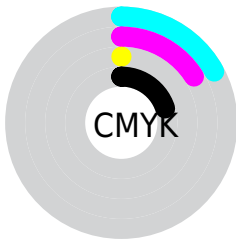
Blue (80%)



Red (66%)

Yellow (67%)

Blue (80%)

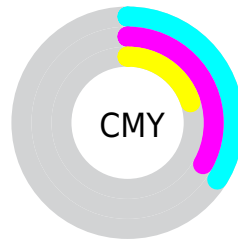


Cyan (17%)

Magenta (16%)

Yellow (0%)

Black (20%)



Cyan (34%)

Magenta (33%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2997, 0.2851, 0.2870 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 42.2997, 0.2851, 0.2870 by changing the saturation by 10% instead.

■ 42.2997, 0.2851,
0.2870

■ 42.2997, 0.2851,
0.2870

■ 355.7238, 0.2991,
0.3079

■ 29.3360, 0.2815,
0.2818

■ 78.6530, 0.2902,
0.2946

■ 19.3352, 0.2769,
0.2752

■ 102.8114, 0.2922,
0.2974

■ 11.9127, 0.2708,
0.2664

■ 131.4703, 0.2938,
0.2999

■ 6.6843, 0.2621,
0.2543

■ 165.0138, 0.2952,
0.3019

■ 3.2654, 0.2491,
0.2365

■ 203.8266, 0.2964,
0.3037

■ 1.2718, 0.2276,
0.2082

■ 248.2929, 0.2974,

■ 0.1192, 0.1470,

0.3053

0.0703

298.7972, 0.2983,
0.3067

0.0000, 0.0000,
0.0000

42.2997, 0.2851,
0.2870

42.2997, 0.2851,
0.2870

33.6005, 0.2666,
0.2584

52.3538, 0.3019,
0.3126

26.1933, 0.2467,
0.2271

63.8117, 0.3168,
0.3352

20.0178, 0.2261,
0.1942

76.7266, 0.3300,
0.3548

15.0070, 0.2057,
0.1611

91.1471, 0.3415,
0.3718

11.0876, 0.1870,
0.1297

97.1389, 0.3430,
0.3790

■ 8.1778, 0.1712,
0.1025

■ 6.1840, 0.1596,
0.0814

■ 4.9919, 0.1528,
0.0677

■ 4.7656, 0.1514,
0.0650

Harmonies

Analogous

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



42.2997, 0.2695, 0.2915



42.2997, 0.2851, 0.2870



42.2997, 0.3086, 0.2929

Triad

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



42.2997, 0.2851, 0.2870



42.2997, 0.3629, 0.3486



42.2997, 0.2908, 0.3520

Complementary

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



42.2997, 0.2851, 0.2870



57.4941, 0.3388, 0.3678

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.



42.2997, 0.3152, 0.3690



42.2997, 0.2851, 0.2870



42.2997, 0.3574, 0.3658

Square

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



42.2997, 0.2851, 0.2870



42.2997, 0.3543, 0.3274



42.2997, 0.3397, 0.3738



42.2997, 0.2726, 0.3285

Rectangle

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



42.2997, 0.2851, 0.2870



42.2997, 0.3258, 0.3018



42.2997, 0.3397, 0.3738



42.2997, 0.2985, 0.3587

Sweetspot

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



42.3014, 0.2851, 0.2870



90.4369, 0.3051, 0.3175



55.8120, 0.2894, 0.3334



19.0799, 0.3040, 0.3158



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.



42.3014, 0.2851, 0.2870



63.8242, 0.2776, 0.2755



42.8231, 0.2966, 0.2846



10.9934, 0.2982, 0.3071



3.0571, 0.1517, 0.0661



0.2115, 0.1571, 0.0854

Inverse Universe

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



44.2076, 0.3426, 0.3254



67.6978, 0.3517, 0.3245



56.9933, 0.3269, 0.3727



11.2288, 0.3277, 0.3271



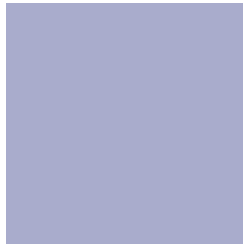
8.1116, 0.6298, 0.3243



0.4239, 0.5983, 0.3070

Previews

White Background



This preview shows how the Yxy color 42.2997, 0.2851, 0.2870 looks on a white background.

Color Contrast Check

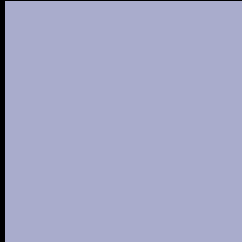
Large Text (above 18pt) WCAG AA × Fail

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 42.2997, 0.2851, 0.2870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

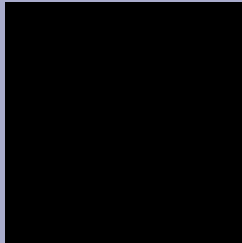
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2997, 0.2851, 0.2870

Background



This preview shows how black text looks on a background with the Yxy color 42.2997, 0.2851, 0.2870.



This preview shows how white text looks on a background with the Yxy color 42.2997, 0.2851, 0.2870.

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

42.2997, 0.2851, 0.2870

Protanopia

42.1895, 0.2842, 0.2869

Deuteranopia

42.3392, 0.2907, 0.2850



Tritanopia

42.3978, 0.2947, 0.3113

Trichromacy



Original Color

42.2997, 0.2851, 0.2870

Protanomaly

42.1895, 0.2842, 0.2869

Deuteranomaly

42.3697, 0.2883, 0.2861

Tritanomaly

42.3826, 0.2910, 0.3022

Monochromacy



Original Color

42.2997, 0.2851, 0.2870

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.7015, 0.3022, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2997, 0.2851, 0.2870 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(169, 172, 204)` looks like.

```
.text, #text, p{  
    color:rgb(169, 172, 204)  
}
```

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(169, 172, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 172, 204) }
```

Border

The CSS property to change the border of an element to Yxy 42.2997, 0.2851, 0.2870 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(169, 172, 204) }
```

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

```
.border{ border-color:rgb(169, 172, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 172, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 172, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 172, 204);  
box-shadow:4px 4px 4px 4px rgb(169, 172,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2997, 0.2851, 0.2870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 172, 204) }
```

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

```
.background{ background-color: rgb(169,  
172, 204) }
```

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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