

Converting Colors

$Y_{xy}(42.4600, 0.2900, 0.2875)$

Have a look what the booklet for
Yxy(42.4600, 0.2900, 0.2875)
contains.

Yxy(42.4363, 0.2898, 0.2874)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.4363, 0.2898, 0.2874)

Conversions

Conversions Part 1

Format	Color
Hex	AEABCB
RGB	174, 171, 203
RGB Percent	68%, 67%, 80%
CMY	0.3178, 0.3293, 0.2040
CMYK	0.14, 0.16, 0.00, 0.20
HSL	246°, 24%, 73%
HSV	246°, 16%, 80%
XYZ	42.7907, 42.4363, 62.4289
YIQ	175.5450, -8.4840, 10.5880

Conversions

Conversions Part 2

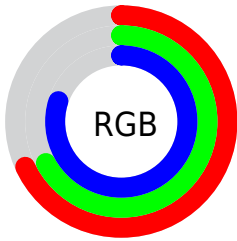
Format	Color
RYB	174, 171, 203
Decimal	11447243
CIELab	71.17, 7.48, -15.86
CIELCh	71, 17.532, 295.245
Yxy	42.4363, 0.2898, 0.2874
Android (android.graphics.Color)	4289637323 (0xFFFAEABCB)
YUV	175.5450, 13.5353, -1.3550
Hunter-Lab	65.1432, 3.2510, -11.2194

Details

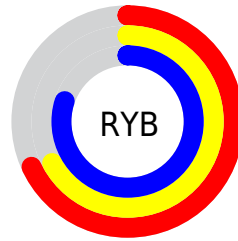
The Yxy color $42.4363, 0.2898, 0.2874$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $57.9335, 0.3337, 0.3680$, and the grayscale version is $43.0970, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.4357, 0.2973, 0.2994$, and $19.4285, 0.2825, 0.2757$ is the 20% darker color. If you saturate the color by 10%, you get $33.3756, 0.2727, 0.2570$, and if you desaturate by 10%, it is $52.9686, 0.3049, 0.3147$.

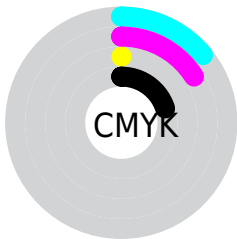
Distribution



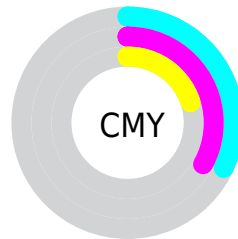
- Red (68%)
- Green (67%)
- Blue (80%)



- Red (68%)
- Yellow (67%)
- Blue (80%)



- Cyan (14%)
- Magenta (16%)
- Yellow (0%)
- Black (20%)



- Cyan (32%)
- Magenta (33%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4363, 0.2898, 0.2874 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 42.4363, 0.2898, 0.2874 by changing the saturation by 10% instead.

■ 42.4363, 0.2898,
0.2874

■ 42.4363, 0.2898,
0.2874

356.2884, 0.3015,
0.3081

■ 29.4431, 0.2868,
0.2823

■ 78.8595, 0.2941,
0.2949

■ 19.4163, 0.2830,
0.2758

103.0583, 0.2957,
0.2977

■ 11.9714, 0.2778,
0.2672

131.7611, 0.2970,
0.3001

■ 6.7242, 0.2704,
0.2553

165.3522, 0.2982,
0.3021

■ 3.2902, 0.2593,
0.2379

204.2161, 0.2992,
0.3039

■ 1.2851, 0.2406,
0.2103

248.7372, 0.3001,

■ 0.1296, 0.1783,

0.3055

0.0756

299.2998, 0.3008,
0.3068

0.0000, 0.0000,
0.0000

42.4363, 0.2898,
0.2874

42.4363, 0.2898,
0.2874

33.3756, 0.2727,
0.2570

52.9686, 0.3049,
0.3147

25.7157, 0.2540,
0.2240

65.0283, 0.3181,
0.3389

19.3884, 0.2339,
0.1895

78.6750, 0.3294,
0.3600

14.3172, 0.2136,
0.1552

93.9633, 0.3392,
0.3783

10.4180, 0.1942,
0.1233

97.0913, 0.3436,
0.3800

■ 7.5965, 0.1772,
0.0964

■ 5.7435, 0.1640,
0.0766

■ 4.7254, 0.1553,
0.0649

■ 4.4469, 0.1528,
0.0615

Harmonies

Analogous

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



42.4363, 0.2720, 0.2895



42.4363, 0.2898, 0.2874



42.4363, 0.3144, 0.2954

Triad

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



42.4363, 0.2898, 0.2874



42.4363, 0.3630, 0.3530



42.4363, 0.2859, 0.3470

Complementary

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



42.4363, 0.2898, 0.2874



57.9335, 0.3337, 0.3680

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.



42.4363, 0.3095, 0.3662



42.4363, 0.2898, 0.2874



42.4363, 0.3544, 0.3686

Square

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



42.4363, 0.2898, 0.2874



42.4363, 0.3574, 0.3322



42.4363, 0.3346, 0.3740



42.4363, 0.2699, 0.3231

Rectangle

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



42.4363, 0.2898, 0.2874



42.4363, 0.3314, 0.3055



42.4363, 0.3346, 0.3740



42.4363, 0.2932, 0.3543

Sweetspot

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



42.4381, 0.2898, 0.2874



90.0036, 0.3059, 0.3165



54.4308, 0.2889, 0.3256



18.9751, 0.3049, 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.



42.4381, 0.2898, 0.2874



65.4791, 0.2840, 0.2771



44.3480, 0.3030, 0.2890



10.8926, 0.2996, 0.3051



2.8479, 0.1534, 0.0619



0.1643, 0.1639, 0.0677

Inverse Universe

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



45.9995, 0.3170, 0.2938



72.6036, 0.3180, 0.2858



55.8805, 0.3211, 0.3696



11.3852, 0.3152, 0.3082



10.2972, 0.3453, 0.1676



0.5366, 0.3400, 0.1647

Previews

White Background



This preview shows how the Yxy color 42.4363, 0.2898, 0.2874 looks on a white background.

Color Contrast Check

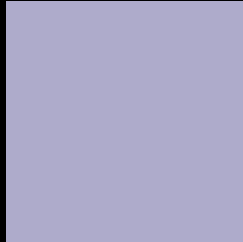
Large Text (above 18pt) WCAG AA × Fail

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 42.4363, 0.2898, 0.2874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

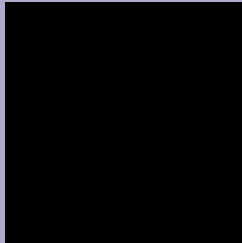
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4363, 0.2898, 0.2874

Background



This preview shows how black text looks on a background with the Yxy color 42.4363, 0.2898, 0.2874.



This preview shows how white text looks on a background with the Yxy color 42.4363, 0.2898, 0.2874.

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

42.4363, 0.2898, 0.2874

Protanopia

42.5716, 0.2843, 0.2882

Deuteranopia

42.4084, 0.2923, 0.2864



Tritanopia

42.5179, 0.2997, 0.3115

Trichromacy



Original Color

42.4363, 0.2898, 0.2874

Protanomaly

42.4107, 0.2859, 0.2871

Deuteranomaly

42.2914, 0.2914, 0.2862

Tritanomaly

42.5081, 0.2958, 0.3024

Monochromacy



Original Color

42.4363, 0.2898, 0.2874

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.9312, 0.3039, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4363, 0.2898, 0.2874 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(174, 171, 203)` looks like.

```
.text, #text, p{  
    color:rgb(174, 171, 203)  
}
```

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(174, 171, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 171, 203) }
```

Border

The CSS property to change the border of an element to Yxy 42.4363, 0.2898, 0.2874 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(174, 171, 203) }
```

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

```
.border{ border-color:rgb(174, 171, 203) }
```

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

Here you see how a box with a 4 pixel rgb(174, 171, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 171, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 171, 203);  
box-shadow:4px 4px 4px 4px rgb(174, 171,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4363, 0.2898, 0.2874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 171, 203) }
```

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

```
.background{ background-color: rgb(174,  
171, 203) }
```

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