

Converting Colors

$Y_{xy}(42.9771, 0.2975, 0.2919)$

Have a look what the booklet for
Yxy(42.9771, 0.2975, 0.2919)
contains.

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Color

Yxy(42.9992, 0.2971, 0.2916)

Conversions

Conversions Part 1

Format	Color
Hex	B4ABC8
RGB	180, 171, 200
RGB Percent	71%, 67%, 78%
CMY	0.2942, 0.3294, 0.2156
CMYK	0.10, 0.15, 0.00, 0.22
HSL	259°, 21%, 73%
HSV	259°, 15%, 78%
XYZ	43.8102, 42.9992, 60.6501
YIQ	176.9970, -3.9450, 10.9270

Conversions

Conversions Part 2

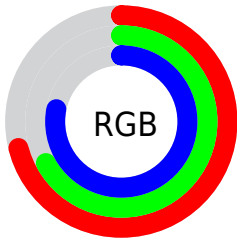
Format	Color
R _Y B	180, 171, 200
Decimal	11840456
CIE Lab	71.55, 8.84, -13.60
CIE LCh	72, 16.224, 303.027
Yxy	42.9992, 0.2971, 0.2916
Android (android.graphics.Color)	4290030536 (0xFFB4ABC8)
YUV	176.9970, 11.3405, 2.6336
Hunter-Lab	65.5738, 4.5028, -8.9365

Details

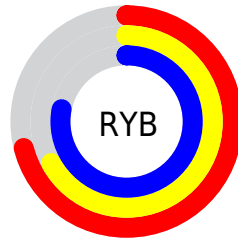
The Yxy color **42.9992, 0.2971, 0.2916** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.3441, 0.3269, 0.3654**, and the grayscale version is **43.9061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4456, 0.3013, 0.2998**, and **19.7810, 0.2924, 0.2816** is the 20% darker color. If you saturate the color by 10%, you get **34.4312, 0.2843, 0.2628**, and if you desaturate by 10%, it is **52.8795, 0.3082, 0.3180**.

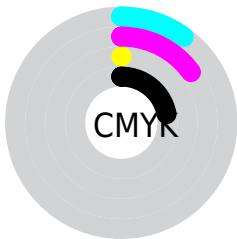
Distribution



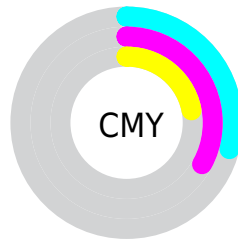
- Red (71%)
- Green (67%)
- Blue (78%)



- Red (71%)
- Yellow (67%)
- Blue (78%)



- Cyan (10%)
- Magenta (15%)
- Yellow (0%)
- Black (22%)



- Cyan (29%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.9992, 0.2971, 0.2916 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 42.9992, 0.2971, 0.2916 by changing the saturation by 10% instead.

■ 42.9992, 0.2971,
0.2916

■ 42.9992, 0.2971,
0.2916

358.6085, 0.3051,
0.3101

■ 29.8845, 0.2950,
0.2870

■ 79.7097, 0.3001,
0.2983

■ 19.7509, 0.2924,
0.2812

104.0742, 0.3012,
0.3008

■ 12.2141, 0.2887,
0.2735

132.9574, 0.3021,
0.3030

■ 6.8897, 0.2836,
0.2628

166.7438, 0.3029,
0.3048

■ 3.3932, 0.2757,
0.2473

205.8177, 0.3035,
0.3064

■ 1.3403, 0.2622,
0.2224

250.5635, 0.3041,

■ 0.1721, 0.2231,

0.3078

0.1012

301.3657, 0.3047,
0.3090

0.0000, 0.0000,
0.0000

42.9992, 0.2971,
0.2916

42.9992, 0.2971,
0.2916

34.4312, 0.2843,
0.2628

52.8795, 0.3082,
0.3180

27.1142, 0.2700,
0.2319

64.1194, 0.3178,
0.3417

20.9897, 0.2542,
0.1999

76.7702, 0.3259,
0.3629

15.9925, 0.2374,
0.1681

90.8792, 0.3328,
0.3816

12.0511, 0.2204,
0.1381

95.8409, 0.3414,
0.3837

■ 9.0853, 0.2039,
0.1119

■ 96.9514, 0.3454,
0.3830

■ 7.0029, 0.1890,
0.0912

■ 5.6931, 0.1766,
0.0771

■ 5.1920, 0.1709,
0.0715

Harmonies

Analogous

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



42.9992, 0.2786, 0.2911



42.9992, 0.2971, 0.2916



42.9992, 0.3205, 0.3012

Triad

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



42.9992, 0.2971, 0.2916



42.9992, 0.3582, 0.3556



42.9992, 0.2833, 0.3401

Complementary

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



42.9992, 0.2971, 0.2916



55.3441, 0.3269, 0.3654

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.



42.9992, 0.3038, 0.3594



42.9992, 0.2971, 0.2916



42.9992, 0.3472, 0.3678

Square

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



42.9992, 0.2971, 0.2916



42.9992, 0.3564, 0.3372



42.9992, 0.3272, 0.3696



42.9992, 0.2709, 0.3182

Rectangle

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



42.9992, 0.2971, 0.2916



42.9992, 0.3357, 0.3116



42.9992, 0.3272, 0.3696



42.9992, 0.2895, 0.3471

Sweetspot

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



43.0010, 0.2971, 0.2916



92.3523, 0.3087, 0.3191



50.2316, 0.2905, 0.3177



19.4687, 0.3079, 0.3172



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.



43.0010, 0.2971, 0.2916



70.1499, 0.2938, 0.2840



44.7983, 0.3093, 0.2930



10.4440, 0.3030, 0.3055



3.3423, 0.1722, 0.0722



0.1970, 0.1960, 0.0853

Inverse Universe

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



45.1748, 0.3219, 0.3042



74.5582, 0.3239, 0.2994



53.5864, 0.3155, 0.3667



10.7586, 0.3184, 0.3132



8.9932, 0.4171, 0.2071



0.4384, 0.3924, 0.1935

Previews

White Background



This preview shows how the Yxy color 42.9992, 0.2971, 0.2916 looks on a white background.

Color Contrast Check

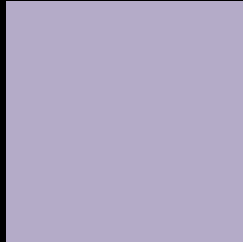
Large Text (above 18pt) WCAG AA × Fail

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 42.9992, 0.2971, 0.2916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

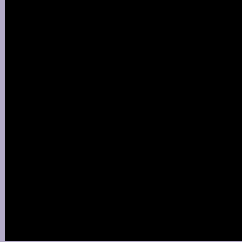
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.9992, 0.2971, 0.2916

Background



This preview shows how black text looks on a background with the Yxy color 42.9992, 0.2971, 0.2916.



This preview shows how white text looks on a background with the Yxy color 42.9992, 0.2971, 0.2916.

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

42.9992, 0.2971, 0.2916

Protanopia

43.0824, 0.2874, 0.2923

Deuteranopia

43.1197, 0.2980, 0.2917



Tritanopia

42.9400, 0.3057, 0.3105

Trichromacy



Original Color

42.9992, 0.2971, 0.2916

Protanomaly

43.1029, 0.2914, 0.2925

Deuteranomaly

43.1197, 0.2980, 0.2917

Tritanomaly

42.8945, 0.3026, 0.3028

Monochromacy



Original Color

42.9992, 0.2971, 0.2916

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.6277, 0.3072, 0.3158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9992, 0.2971, 0.2916 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(180, 171, 200)` looks like.

```
.text, #text, p{  
    color:rgb(180, 171, 200)  
}
```

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(180, 171, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 171, 200) }
```

Border

The CSS property to change the border of an element to Yxy 42.9992, 0.2971, 0.2916 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(180, 171, 200) }
```

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

```
.border{ border-color:rgb(180, 171, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 171, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 171, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 171, 200);  
box-shadow:4px 4px 4px 4px rgb(180, 171,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9992, 0.2971, 0.2916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 171, 200) }
```

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

```
.background{ background-color: rgb(180,  
171, 200) }
```

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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