

Converting Colors

$Y_{xy}(49.1177, 0.2895, 0.2949)$

Have a look what the booklet for
Yxy(49.1177, 0.2895, 0.2949)
contains.

Yxy(49.2751, 0.2895, 0.2954)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.2751, 0.2895, 0.2954)

Conversions

Conversions Part 1

Format	Color
Hex	B5B9D4
RGB	181, 185, 212
RGB Percent	71%, 73%, 83%
CMY	0.2901, 0.2745, 0.1687
CMYK	0.15, 0.13, 0.00, 0.17
HSL	232°, 26%, 77%
HSV	232°, 15%, 83%
XYZ	48.2909, 49.2751, 69.2420
YIQ	186.8820, -11.0510, 7.5490

Conversions

Conversions Part 2

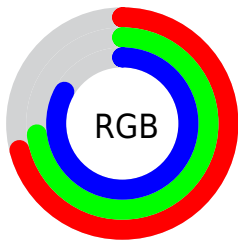
Format	Color
R _Y B	181, 185, 212
Decimal	11909588
CIE Lab	75.62, 4.05, -14.02
CIE LCh	76, 14.593, 286.121
Yxy	49.2751, 0.2895, 0.2954
Android (android.graphics.Color)	4290099668 (0xFFB5B9D4)
YUV	186.8820, 12.3832, -5.1585
Hunter-Lab	70.1962, -0.0457, -9.3467

Details

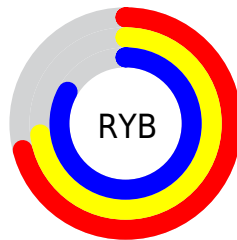
The Yxy color $49.2751, 0.2895, 0.2954$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $62.4484, 0.3351, 0.3605$, and the grayscale version is $49.5602, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.1351, 0.3018, 0.3151$, and $23.5260, 0.2835, 0.2870$ is the 20% darker color. If you saturate the color by 10%, you get $39.6712, 0.2716, 0.2688$, and if you desaturate by 10%, it is $60.2777, 0.3058, 0.3191$.

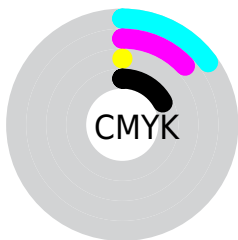
Distribution



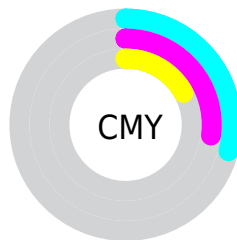
- Red (71%)
- Green (73%)
- Blue (83%)



- Red (71%)
- Yellow (73%)
- Blue (83%)



- Cyan (15%)
- Magenta (13%)
- Yellow (0%)
- Black (17%)



- Cyan (29%)
- Magenta (27%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2751, 0.2895, 0.2954 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 49.2751, 0.2895, 0.2954 by changing the saturation by 10% instead.

■ 49.2751, 0.2895,
0.2954

■ 49.2751, 0.2895,
0.2954

383.8243, 0.3010,
0.3118

■ 34.8378, 0.2867,
0.2914

■ 89.0999, 0.2936,
0.3013

■ 23.5379, 0.2831,
0.2864

115.2561, 0.2952,
0.3035

■ 14.9912, 0.2783,
0.2798

146.0875, 0.2965,
0.3054

■ 8.8132, 0.2718,
0.2709

181.9783, 0.2977,
0.3070

■ 4.6195, 0.2622,
0.2580

223.3130, 0.2987,
0.3085

■ 2.0258, 0.2470,
0.2380

270.4760, 0.2995,

■ 0.6224, 0.2192,

0.3097

0.1976

323.8516, 0.3003,
0.3108

0.0000, 0.0000,
0.0000

49.2751, 0.2895,
0.2954

49.2751, 0.2895,
0.2954

39.6712, 0.2716,
0.2688

60.2777, 0.3058,
0.3191

31.4038, 0.2523,
0.2396

72.7255, 0.3204,
0.3399

24.4152, 0.2321,
0.2084

86.6707, 0.3333,
0.3580

18.6409, 0.2120,
0.1763

97.5327, 0.3382,
0.3711

14.0111, 0.1931,
0.1449

■ 10.4484, 0.1766,
0.1164

■ 7.8656, 0.1638,
0.0927

■ 6.1615, 0.1555,
0.0755

■ 5.5464, 0.1525,
0.0689

Harmonies

Analogous

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



49.2751, 0.2775, 0.2999



49.2751, 0.2895, 0.2954



49.2751, 0.3079, 0.2994

Triad

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



49.2751, 0.2895, 0.2954



49.2751, 0.3523, 0.3435



49.2751, 0.2968, 0.3485

Complementary

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



49.2751, 0.2895, 0.2954



62.4484, 0.3351, 0.3605

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.



49.2751, 0.3165, 0.3611



49.2751, 0.2895, 0.2954



49.2751, 0.3489, 0.3575

Square

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



49.2751, 0.2895, 0.2954



49.2751, 0.3446, 0.3265



49.2751, 0.3357, 0.3642



49.2751, 0.2817, 0.3303

Rectangle

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



49.2751, 0.2895, 0.2954



49.2751, 0.3216, 0.3062



49.2751, 0.3357, 0.3642



49.2751, 0.3031, 0.3535

Sweetspot

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



49.2771, 0.2895, 0.2954



92.5747, 0.3067, 0.3203



61.4529, 0.2933, 0.3339



19.5245, 0.3055, 0.3186



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.



49.2771, 0.2895, 0.2954



69.3871, 0.2833, 0.2862



49.0662, 0.2983, 0.2913



12.2631, 0.2981, 0.3080



3.5059, 0.1529, 0.0703



0.2978, 0.1596, 0.0945

Inverse Universe

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



50.5553, 0.3364, 0.3243



71.8159, 0.3434, 0.3231



62.7830, 0.3257, 0.3660



12.4465, 0.3271, 0.3260



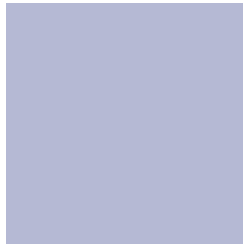
8.6988, 0.6227, 0.3204



0.5334, 0.5842, 0.2992

Previews

White Background



This preview shows how the Yxy color 49.2751, 0.2895, 0.2954 looks on a white background.

Color Contrast Check

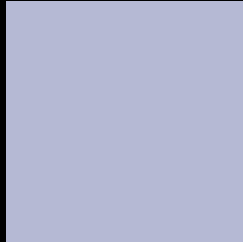
Large Text (above 18pt) WCAG AA × Fail

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 49.2751, 0.2895, 0.2954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

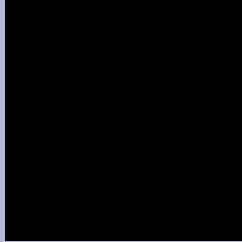
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2751, 0.2895, 0.2954

Background



This preview shows how black text looks on a background with the Yxy color 49.2751, 0.2895, 0.2954.



This preview shows how white text looks on a background with the Yxy color 49.2751, 0.2895, 0.2954.

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

49.2751, 0.2895, 0.2954

Protanopia

49.3965, 0.2902, 0.2955

Deuteranopia

49.0583, 0.2973, 0.2901



Tritanopia

49.3886, 0.2951, 0.3100

Trichromacy



Original Color

49.2751, 0.2895, 0.2954

Protanomaly

49.3965, 0.2902, 0.2955

Deuteranomaly

48.9514, 0.2941, 0.2910

Tritanomaly

49.2773, 0.2930, 0.3038

Monochromacy



Original Color

49.2751, 0.2895, 0.2954

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.4176, 0.3043, 0.3164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2751, 0.2895, 0.2954 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(181, 185, 212)` looks like.

```
.text, #text, p{  
    color:rgb(181, 185, 212)  
}
```

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(181, 185, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 185, 212) }
```

Border

The CSS property to change the border of an element to Yxy 49.2751, 0.2895, 0.2954 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(181, 185, 212) }
```

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

```
.border{ border-color:rgb(181, 185, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 185, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 185, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 185, 212);  
box-shadow:4px 4px 4px 4px rgb(181, 185,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2751, 0.2895, 0.2954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 185, 212) }
```

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

```
.background{ background-color: rgb(181,  
185, 212) }
```

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