

# Converting Colors

$Y_{xy}(43.9563, 0.2861, 0.2925)$

Have a look what the booklet for  
Yxy(43.9563, 0.2861, 0.2925)  
contains.

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# Color

**Yxy(43.9563, 0.2861, 0.2925)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AAB0CC
RGB	170, 176, 204
RGB Percent	67%, 69%, 80%
CMY	0.3334, 0.3097, 0.2001
CMYK	0.17, 0.14, 0.00, 0.20
HSL	229°, 25%, 73%
HSV	229°, 17%, 80%
XYZ	42.9945, 43.9563, 63.3271
YIQ	177.3980, -12.5640, 7.4360

# Conversions

## Conversions Part 2

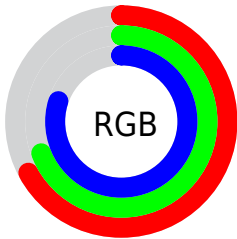
Format	Color
R <sub>Y</sub> B	170, 175, 204
Decimal	11186380
CIE Lab	72.20, 3.65, -14.88
CIE LCh	72, 15.319, 283.789
Yxy	43.9563, 0.2861, 0.2925
Android (android.graphics.Color)	4289376460 (0xFFAAB0CC)
YUV	177.3980, 13.1148, -6.4880
Hunter-Lab	66.2995, -0.2689, -10.2222

# Details

The Yxy color  $43.9563, 0.2861, 0.2925$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $56.0908, 0.3387, 0.3630$ , and the grayscale version is  $44.1194, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $81.1020, 0.2948, 0.3055$ , and  $20.4689, 0.2788, 0.2827$  is the 20% darker color. If you saturate the color by 10%, you get  $35.6823, 0.2682, 0.2670$ , and if you desaturate by 10%, it is  $53.3993, 0.3026, 0.3153$ .

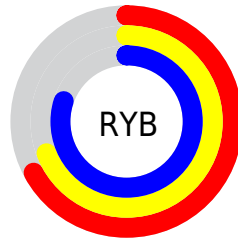
# Distribution



Red (67%)

Green (69%)

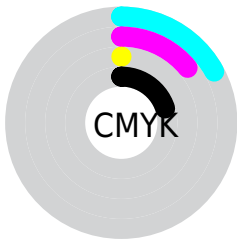
Blue (80%)



Red (67%)

Yellow (69%)

Blue (80%)

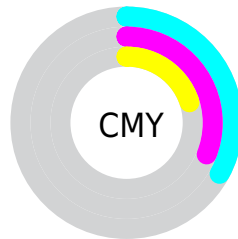


Cyan (17%)

Magenta (14%)

Yellow (0%)

Black (20%)



Cyan (33%)

Magenta (31%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.9563, 0.2861, 0.2925 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 43.9563, 0.2861, 0.2925 by changing the saturation by 10% instead.



■ 43.9563, 0.2861,  
0.2925

■ 43.9563, 0.2861,  
0.2925

362.5299, 0.2995,  
0.3107

■ 30.6362, 0.2827,  
0.2880

■ 81.1520, 0.2910,  
0.2991

■ 20.3219, 0.2784,  
0.2823

105.7963, 0.2928,  
0.3016

■ 12.6293, 0.2726,  
0.2746

134.9841, 0.2944,  
0.3037

■ 7.1738, 0.2645,  
0.2641

169.0999, 0.2957,  
0.3055

■ 3.5710, 0.2525,  
0.2487

208.5280, 0.2968,  
0.3070

■ 1.4366, 0.2327,  
0.2240

253.6527, 0.2978,

■ 0.2435, 0.1677,

0.3084

0.1274

304.8586, 0.2987,  
0.3096

0.0000, 0.0000,  
0.0000

43.9563, 0.2861,  
0.2925

43.9563, 0.2861,  
0.2925

35.6823, 0.2682,  
0.2670

53.3993, 0.3026,  
0.3153

28.5260, 0.2491,  
0.2391

64.0489, 0.3175,  
0.3354

22.4406, 0.2295,  
0.2094

75.9479, 0.3309,  
0.3530

17.3736, 0.2101,  
0.1788

89.1353, 0.3428,  
0.3683

13.2680, 0.1920,  
0.1488

97.1383, 0.3430,  
0.3791

■ 10.0611, 0.1764,  
0.1212

■ 7.6821, 0.1643,  
0.0979

■ 6.0467, 0.1563,  
0.0801

■ 5.6354, 0.1543,  
0.0754

# Harmonies

## Analogous

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



43.9563, 0.2738, 0.2981



43.9563, 0.2861, 0.2925



43.9563, 0.3057, 0.2962

# Triad

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



43.9563, 0.2861, 0.2925



43.9563, 0.3557, 0.3434



43.9563, 0.2969, 0.3516

# Complementary

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



43.9563, 0.2861, 0.2925



56.0908, 0.3387, 0.3630

# 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.



43.9563, 0.3185, 0.3648



43.9563, 0.2861, 0.2925



43.9563, 0.3529, 0.3590

# Square

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



43.9563, 0.2861, 0.2925



43.9563, 0.3464, 0.3248



43.9563, 0.3391, 0.3673



43.9563, 0.2799, 0.3320



# Rectangle

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



43.9563, 0.2861, 0.2925



43.9563, 0.3206, 0.3032



43.9563, 0.3391, 0.3673



43.9563, 0.3039, 0.3570

# Sweetspot

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



43.9581, 0.2861, 0.2925



91.1539, 0.3051, 0.3187



55.7809, 0.2918, 0.3369



19.2535, 0.3040, 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.



43.9581, 0.2861, 0.2925



67.6782, 0.2798, 0.2837



42.8898, 0.2947, 0.2855



11.1611, 0.2982, 0.3094



3.6454, 0.1548, 0.0772



0.2891, 0.1642, 0.1110



# Inverse Universe

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



44.7079, 0.3388, 0.3215



69.2531, 0.3457, 0.3198



57.4385, 0.3288, 0.3712



11.2457, 0.3263, 0.3249



8.1710, 0.6115, 0.3142

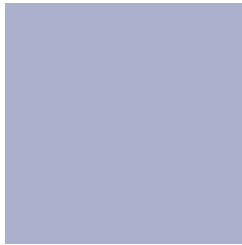


0.4317, 0.5596, 0.2856



# Previews

## White Background



This preview shows how the Yxy color 43.9563, 0.2861, 0.2925 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

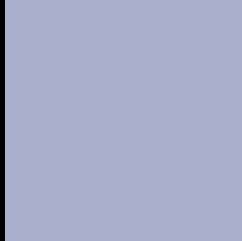
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.9563, 0.2861, 0.2925 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

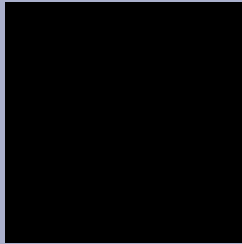
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

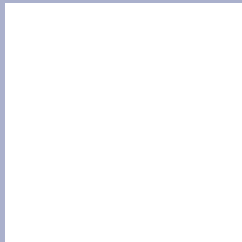
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.9563, 0.2861, 0.2925**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.9563, 0.2861, 0.2925.



This preview shows how white text looks on a background with the Yxy color 43.9563, 0.2861, 0.2925.

# 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

43.9563, 0.2861, 0.2925

### Protanopia

43.7902, 0.2876, 0.2913

### Deuteranopia

44.1187, 0.2942, 0.2883



## Tritanopia

43.9714, 0.2934, 0.3103

# Trichromacy



## Original Color

43.9563, 0.2861, 0.2925

## Protanomaly

43.6775, 0.2868, 0.2912

## Deuteranomaly

44.0270, 0.2909, 0.2892

## Tritanomaly

43.8648, 0.2912, 0.3038

# Monochromacy



## Original Color

43.9563, 0.2861, 0.2925

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

44.0308, 0.3022, 0.3157

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.9563, 0.2861, 0.2925 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(170, 176, 204)` looks like.

```
.text, #text, p{  
    color:rgb(170, 176, 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(170, 176, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 176, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 43.9563, 0.2861, 0.2925 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(170, 176, 204) }
```

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

```
.border{ border-color:rgb(170, 176, 204) }
```

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

Here you see how a box with a 4 pixel rgb(170, 176, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 176, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 176, 204);  
box-shadow:4px 4px 4px 4px rgb(170, 176,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.9563, 0.2861, 0.2925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 176, 204) }
```

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

```
.background{ background-color: rgb(170,  
176, 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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