

# Converting Colors

$Yxy(41.4531, 0.2827, 0.2933)$

Have a look what the booklet for  
Yxy(41.4531, 0.2827, 0.2933)  
contains.

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# Color

**Yxy(41.5877, 0.2823, 0.2939)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A1ADC7
RGB	161, 173, 199
RGB Percent	63%, 68%, 78%
CMY	0.3688, 0.3215, 0.2195
CMYK	0.19, 0.13, 0.00, 0.22
HSL	221°, 25%, 71%
HSV	221°, 19%, 78%
XYZ	39.9463, 41.5877, 59.9689
YIQ	172.3760, -15.4980, 5.5420

# Conversions

## Conversions Part 2

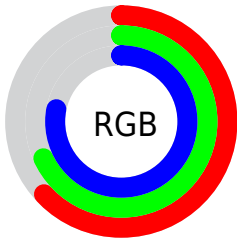
Format	Color
R <sub>YB</sub>	161, 170, 199
Decimal	10595783
CIE <sub>Lab</sub>	70.59, 1.31, -14.65
CIE <sub>LCh</sub>	71, 14.713, 275.117
Yxy	41.5877, 0.2823, 0.2939
Android (android.graphics.Color)	4288785863 (0xFFA1ADC7)
YUV	172.3760, 13.1256, -9.9768
Hunter-Lab	64.4885, -2.2863, -9.9928

# Details

The Yxy color **41.5877, 0.2823, 0.2939** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.2465, 0.3438, 0.3618**, and the grayscale version is **41.3917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3057, 0.2883, 0.3008**, and **18.9703, 0.2736, 0.2844** is the 20% darker color. If you saturate the color by 10%, you get **34.7303, 0.2650, 0.2724**, and if you desaturate by 10%, it is **49.3086, 0.2987, 0.3132**.

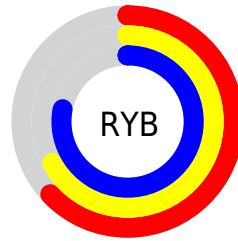
# Distribution



Red (63%)

Green (68%)

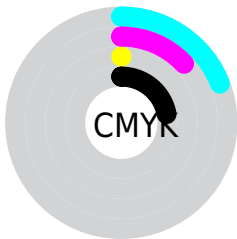
Blue (78%)



Red (63%)

Yellow (67%)

Blue (78%)

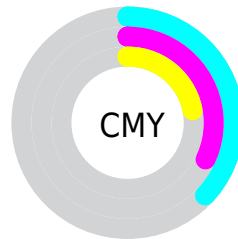


Cyan (19%)

Magenta (13%)

Yellow (0%)

Black (22%)



Cyan (37%)

Magenta (32%)


Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5877, 0.2823, 0.2939 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 41.5877, 0.2823, 0.2939 by changing the saturation by 10% instead.





 41.5877, 0.2823,  
0.2939


 41.5877, 0.2823,  
0.2939

352.7709, 0.2977,  
0.3116

 28.7786, 0.2784,  
0.2894


 77.5752, 0.2879,  
0.3004

 18.9134, 0.2734,  
0.2837


 101.5225, 0.2900,  
0.3028

 11.6077, 0.2666,  
0.2760


129.9512, 0.2918,  
0.3048

 6.4772, 0.2571,  
0.2653

163.2458, 0.2933,  
0.3066

 3.1373, 0.2429,  
0.2492

201.7907, 0.2947,  
0.3081

 1.2038, 0.2192,  
0.2229

245.9702, 0.2958,

 0.0648, 0.0744,

0.3094

0.0515

296.1688, 0.2968,  
0.3106

0.0000, 0.0000,  
0.0000

41.5877, 0.2823,  
0.2939

41.5877, 0.2823,  
0.2939

34.7303, 0.2650,  
0.2724

49.3086, 0.2987,  
0.3132

28.7001, 0.2470,  
0.2490

57.9176, 0.3140,  
0.3304

23.4652, 0.2290,  
0.2240

67.4445, 0.3281,  
0.3456

18.9900, 0.2115,  
0.1980

77.9162, 0.3409,  
0.3589

15.2355, 0.1954,  
0.1719

88.3057, 0.3487,  
0.3710

■ 12.1591, 0.1815,  
0.1469

■ 96.6616, 0.3460,  
0.3836

■ 9.7122, 0.1705,  
0.1241

■ 96.9047, 0.3460,  
0.3840

■ 7.8257, 0.1626,  
0.1045

■ 7.6812, 0.1619,  
0.1029

# Harmonies

## Analogous

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



41.5877, 0.2730, 0.3020



41.5877, 0.2823, 0.2939



41.5877, 0.2998, 0.2949

# Triad

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



41.5877, 0.2823, 0.2939



41.5877, 0.3533, 0.3379



41.5877, 0.3031, 0.3557

# Complementary

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



41.5877, 0.2823, 0.2939



50.2465, 0.3438, 0.3618

# 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.



41.5877, 0.3246, 0.3658



41.5877, 0.2823, 0.2939



41.5877, 0.3540, 0.3545

# Square

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



41.5877, 0.2823, 0.2939



41.5877, 0.3412, 0.3198



41.5877, 0.3434, 0.3651



41.5877, 0.2847, 0.3378



# Rectangle

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



41.5877, 0.2823, 0.2939



41.5877, 0.3141, 0.3004



41.5877, 0.3434, 0.3651



41.5877, 0.3102, 0.3602

# Sweetspot

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



41.5894, 0.2823, 0.2939



90.7221, 0.3035, 0.3187



52.0177, 0.2923, 0.3449



19.2097, 0.3025, 0.3175



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.



41.5894, 0.2823, 0.2939



67.5625, 0.2751, 0.2851



37.9188, 0.2873, 0.2780



10.8264, 0.2983, 0.3128



5.0782, 0.1626, 0.1053



0.3719, 0.1746, 0.1486



# Inverse Universe

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



40.6390, 0.3384, 0.3137



65.8001, 0.3455, 0.3101



54.6424, 0.3354, 0.3770



10.6914, 0.3241, 0.3217



8.0526, 0.5680, 0.2902



0.3946, 0.5077, 0.2571



# Previews

## White Background



This preview shows how the Yxy color 41.5877, 0.2823, 0.2939 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

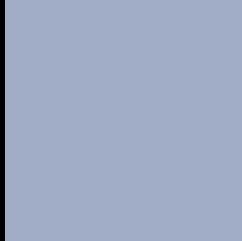
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.5877, 0.2823, 0.2939 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

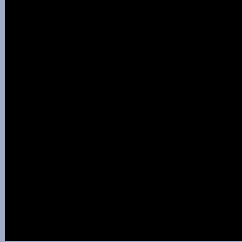
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.5877, 0.2823, 0.2939**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.5877, 0.2823, 0.2939.



This preview shows how white text looks on a background with the Yxy color 41.5877, 0.2823, 0.2939.

# 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

41.5877, 0.2823, 0.2939

### Protanopia

41.5279, 0.2886, 0.2930

### Deuteranopia

41.4055, 0.2937, 0.2873



## Tritanopia

41.7050, 0.2882, 0.3097

# Trichromacy



## Original Color

41.5877, 0.2823, 0.2939

## Protanomaly

41.5816, 0.2862, 0.2941

## Deuteranomaly

41.5775, 0.2896, 0.2894

## Tritanomaly

41.5959, 0.2860, 0.3030

# Monochromacy



## Original Color

41.5877, 0.2823, 0.2939

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

41.2073, 0.3011, 0.3153

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.5877, 0.2823, 0.2939 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(161, 173, 199)` looks like.

```
.text, #text, p{  
    color:rgb(161, 173, 199)  
}
```

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(161, 173, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 173, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 41.5877, 0.2823, 0.2939 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(161, 173, 199) }
```

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

```
.border{ border-color:rgb(161, 173, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 173, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 173, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 173, 199);  
box-shadow:4px 4px 4px 4px rgb(161, 173,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.5877, 0.2823, 0.2939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 173, 199) }
```

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

```
.background{ background-color: rgb(161,  
173, 199) }
```

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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