

# Converting Colors

$Y_{xy}(41.6458, 0.2872, 0.2935)$

Have a look what the booklet for  
Yxy(41.6458, 0.2872, 0.2935)  
contains.

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# Color

**Yxy(41.6893, 0.2870, 0.2942)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A6ACC6
RGB	166, 172, 198
RGB Percent	65%, 67%, 78%
CMY	0.3491, 0.3255, 0.2234
CMYK	0.16, 0.13, 0.00, 0.22
HSL	229°, 22%, 71%
HSV	229°, 16%, 78%
XYZ	40.6690, 41.6893, 59.3456
YIQ	173.1700, -11.9220, 6.8140

# Conversions

## Conversions Part 2

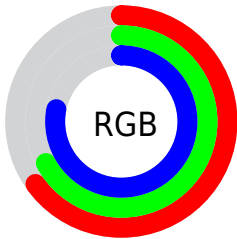
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	166, 171, 198
Decimal	10923206
CIE Lab	70.66, 3.25, -13.96
CIE LCh	71, 14.337, 283.118
Yxy	41.6893, 0.2870, 0.2942
Android (android.graphics.Color)	4289113286 (0xFFA6ACC6)
YUV	173.1700, 12.2412, -6.2881
Hunter-Lab	64.5673, -0.5607, -9.2981

# Details

The Yxy color **41.6893, 0.2870, 0.2942** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **52.4559, 0.3379, 0.3616**, and the grayscale version is **41.8206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5303, 0.2915, 0.3000**, and **19.0240, 0.2798, 0.2848** is the 20% darker color. If you saturate the color by 10%, you get **33.9608, 0.2692, 0.2693**, and if you desaturate by 10%, it is **50.4906, 0.3034, 0.3165**.

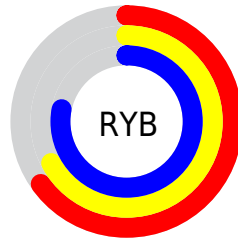
# Distribution



Red (65%)

Green (67%)

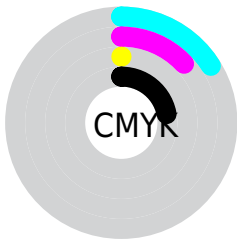
Blue (78%)



Red (65%)

Yellow (67%)

Blue (78%)

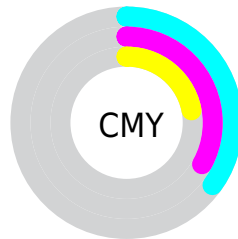


Cyan (16%)

Magenta (13%)

Yellow (0%)

Black (22%)



Cyan (35%)

Magenta (33%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6893, 0.2870, 0.2942 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 41.6893, 0.2870, 0.2942 by changing the saturation by 10% instead.



■ 41.6893, 0.2870,  
0.2942

■ 41.6893, 0.2870,  
0.2942

■ 353.1933, 0.3001,  
0.3117

■ 28.8581, 0.2837,  
0.2898

■ 77.7292, 0.2918,  
0.3006

■ 18.9735, 0.2794,  
0.2842

■ 101.7066, 0.2936,  
0.3030

■ 11.6511, 0.2736,  
0.2767

■ 130.1683, 0.2951,  
0.3050

■ 6.5066, 0.2654,  
0.2661

■ 163.4985, 0.2964,  
0.3067

■ 3.1555, 0.2531,  
0.2505

■ 202.0818, 0.2975,  
0.3082

■ 1.2134, 0.2324,  
0.2249

■ 246.3024, 0.2985,

■ 0.0726, 0.1161,

0.3095

0.0568

296.5448, 0.2993,  
0.3107

0.0000, 0.0000,  
0.0000

41.6893, 0.2870,  
0.2942

41.6893, 0.2870,  
0.2942

33.9608, 0.2692,  
0.2693

50.4906, 0.3034,  
0.3165

27.2587, 0.2504,  
0.2419

60.3987, 0.3182,  
0.3362

21.5407, 0.2309,  
0.2126

71.4522, 0.3315,  
0.3534

16.7595, 0.2116,  
0.1825

83.6865, 0.3433,  
0.3684

12.8639, 0.1936,  
0.1527

95.1922, 0.3471,  
0.3826

■ 9.7972, 0.1779,  
0.1251

■ 96.8585, 0.3466,  
0.3850

■ 7.4964, 0.1655,  
0.1013

■ 5.8866, 0.1572,  
0.0829

■ 5.4208, 0.1548,  
0.0772

# Harmonies

## Analogous

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



41.6893, 0.2755, 0.2997



41.6893, 0.2870, 0.2942



41.6893, 0.3056, 0.2975

# Triad

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



41.6893, 0.2870, 0.2942



41.6893, 0.3535, 0.3424



41.6893, 0.2981, 0.3509

# Complementary

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



41.6893, 0.2870, 0.2942



52.4559, 0.3379, 0.3616

# 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.



41.6893, 0.3187, 0.3632



41.6893, 0.2870, 0.2942



41.6893, 0.3512, 0.3574

# Square

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



41.6893, 0.2870, 0.2942



41.6893, 0.3445, 0.3246



41.6893, 0.3383, 0.3654



41.6893, 0.2817, 0.3323



# Rectangle

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



41.6893, 0.2870, 0.2942



41.6893, 0.3198, 0.3041



41.6893, 0.3383, 0.3654



41.6893, 0.3048, 0.3560

# Sweetspot

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



41.6910, 0.2870, 0.2942



91.2359, 0.3051, 0.3188



52.2935, 0.2928, 0.3373



19.2734, 0.3040, 0.3174



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.



41.6910, 0.2870, 0.2942



69.3673, 0.2816, 0.2868



40.5223, 0.2948, 0.2869



10.6055, 0.2983, 0.3097



3.6182, 0.1553, 0.0790



0.2715, 0.1656, 0.1163



# Inverse Universe

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



42.2502, 0.3375, 0.3214



70.6091, 0.3433, 0.3198



53.8966, 0.3288, 0.3698



10.6690, 0.3260, 0.3247



7.9053, 0.6086, 0.3126

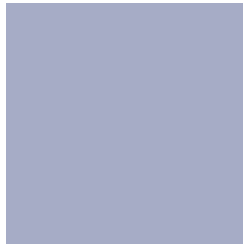


0.3844, 0.5520, 0.2814



# Previews

## White Background



This preview shows how the Yxy color 41.6893, 0.2870, 0.2942 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

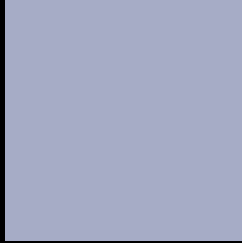
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.6893, 0.2870, 0.2942 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

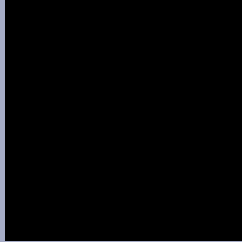
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.6893, 0.2870, 0.2942**

## Background



This preview shows how black text looks on a background with the Yxy color 41.6893, 0.2870, 0.2942.



This preview shows how white text looks on a background with the Yxy color 41.6893, 0.2870, 0.2942.

# 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

41.6893, 0.2870, 0.2942

### Protanopia

41.5279, 0.2886, 0.2930

### Deuteranopia

41.4759, 0.2953, 0.2886



## Tritanopia

41.7955, 0.2930, 0.3099

# Trichromacy



## Original Color

41.6893, 0.2870, 0.2942

## Protanomaly

41.4185, 0.2878, 0.2929

## Deuteranomaly

41.3837, 0.2920, 0.2895

## Tritanomaly

41.6922, 0.2908, 0.3033

# Monochromacy



## Original Color

41.6893, 0.2870, 0.2942

## Achromatopsia

41.7885, 0.3127, 0.3290

## Achromatomaly

41.8106, 0.3028, 0.3168

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.6893, 0.2870, 0.2942 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(166, 172, 198)` looks like.

```
.text, #text, p{  
    color:rgb(166, 172, 198)  
}
```

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(166, 172, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 172, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 41.6893, 0.2870, 0.2942 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(166, 172, 198) }
```

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

```
.border{ border-color:rgb(166, 172, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 172, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 172, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 172, 198);  
box-shadow:4px 4px 4px 4px rgb(166, 172,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.6893, 0.2870, 0.2942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 172, 198) }
```

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

```
.background{ background-color: rgb(166,  
172, 198) }
```

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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