

# Converting Colors

$Yxy(58.0306, 0.2915, 0.2939)$

Have a look what the booklet for  
Yxy(58.0306, 0.2915, 0.2939)  
contains.

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# Color

**Yxy(57.9954, 0.2917, 0.2943)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6C6E4
RGB	198, 198, 228
RGB Percent	78%, 78%, 89%
CMY	0.2237, 0.2235, 0.1058
CMYK	0.13, 0.13, 0.00, 0.11
HSL	240°, 36%, 84%
HSV	240°, 13%, 89%
XYZ	57.4830, 57.9954, 81.5837
YIQ	201.4200, -9.6300, 9.3300

# Conversions

## Conversions Part 2

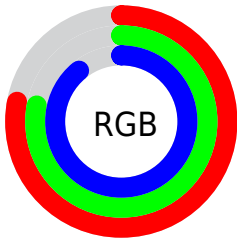
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	198, 198, 228
Decimal	13027044
CIE Lab	80.74, 5.87, -14.87
CIE LCh	81, 15.983, 291.539
Yxy	57.9954, 0.2917, 0.2943
Android (android.graphics.Color)	4291217124 (0xFFC6C6E4)
YUV	201.4200, 13.1039, -2.9993
Hunter-Lab	76.1547, 1.4645, -10.2085

# Details

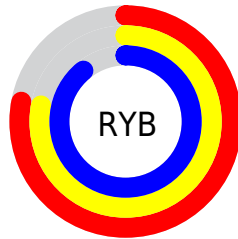
The Yxy color **57.9954, 0.2917, 0.2943** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **76.0544, 0.3324, 0.3615**, and the grayscale version is **58.6039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **28.8929, 0.2859, 0.2847** is the 20% darker color. If you saturate the color by 10%, you get **45.4897, 0.2734, 0.2640**, and if you desaturate by 10%, it is **72.5373, 0.3080, 0.3212**.

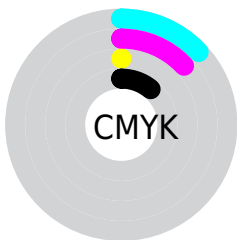
# Distribution



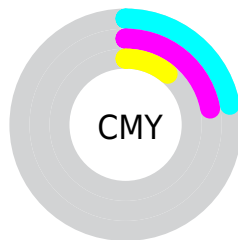
- Red (78%)
- Green (78%)
- Blue (89%)



- Red (78%)
- Yellow (78%)
- Blue (89%)



- Cyan (13%)
- Magenta (13%)
- Yellow (0%)
- Black (11%)



- Cyan (22%)
- Magenta (22%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.9954, 0.2917, 0.2943 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 57.9954, 0.2917, 0.2943 by changing the saturation by 10% instead.



■ 57.9954, 0.2917,  
0.2943

■ 57.9954, 0.2917,  
0.2943

417.1688, 0.3019,  
0.3107

■ 41.8049, 0.2893,  
0.2905

101.9162, 0.2953,  
0.3001

■ 28.9486, 0.2862,  
0.2857

130.4153, 0.2967,  
0.3023

■ 19.0419, 0.2823,  
0.2795

163.7860, 0.2979,  
0.3042

■ 11.7006, 0.2769,  
0.2714

202.4129, 0.2989,  
0.3059

■ 6.5401, 0.2694,  
0.2600

246.6802, 0.2998,  
0.3073

■ 3.1762, 0.2580,  
0.2433

296.9723, 0.3005,

■ 1.2244, 0.2387,

0.3086

0.2164

353.6737, 0.3012,  
0.3097

0.0815, 0.1533,  
0.0566

0.0000, 0.0000,  
0.0000

57.9954, 0.2917,  
0.2943

57.9954, 0.2917,  
0.2943

45.4897, 0.2734,  
0.2640

72.5373, 0.3080,  
0.3212

34.9225, 0.2532,  
0.2307

89.1930, 0.3222,  
0.3446

26.1992, 0.2318,  
0.1953

98.3831, 0.3285,  
0.3552

19.2139, 0.2102,  
0.1597

■ 13.8506, 0.1900,  
0.1263

■ 9.9787, 0.1728,  
0.0978

■ 7.4476, 0.1601,  
0.0768

■ 6.0752, 0.1527,  
0.0644

■ 5.6100, 0.1500,  
0.0601

# Harmonies

## Analogous

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



57.9954, 0.2779, 0.2973



57.9954, 0.2917, 0.2943



57.9954, 0.3115, 0.2999

# Triad

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



57.9954, 0.2917, 0.2943



57.9954, 0.3540, 0.3470



57.9954, 0.2929, 0.3460

# Complementary

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



57.9954, 0.2917, 0.2943



76.0544, 0.3324, 0.3615

# 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.



57.9954, 0.3128, 0.3606



57.9954, 0.2917, 0.2943



57.9954, 0.3484, 0.3605

# Square

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



57.9954, 0.2917, 0.2943



57.9954, 0.3480, 0.3296



57.9954, 0.3332, 0.3658



57.9954, 0.2785, 0.3268



# Rectangle

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



57.9954, 0.2917, 0.2943



57.9954, 0.3256, 0.3078



57.9954, 0.3332, 0.3658



57.9954, 0.2991, 0.3517

# Sweetspot

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



57.9978, 0.2917, 0.2943



91.7890, 0.3067, 0.3190



73.0798, 0.2929, 0.3295



19.3267, 0.3055, 0.3171



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.



57.9978, 0.2917, 0.2943



69.7696, 0.2866, 0.2858



60.0483, 0.3024, 0.2954



13.8904, 0.2980, 0.3047



3.2399, 0.1500, 0.0601



0.2406, 0.1501, 0.0604



# Inverse Universe

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



60.9505, 0.3368, 0.3290



74.3226, 0.3431, 0.3290



73.7998, 0.3220, 0.3626



14.3683, 0.3292, 0.3290



9.5248, 0.6399, 0.3299

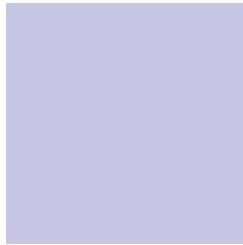


0.7040, 0.6395, 0.3296



# Previews

## White Background



This preview shows how the Yxy color 57.9954, 0.2917, 0.2943 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

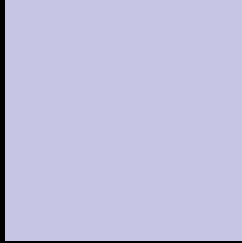
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.9954, 0.2917, 0.2943 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

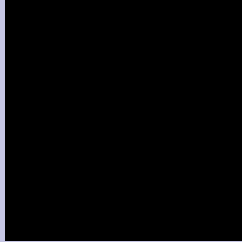
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.9954, 0.2917, 0.2943**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.9954, 0.2917, 0.2943.



This preview shows how white text looks on a background with the Yxy color 57.9954, 0.2917, 0.2943.

# 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

57.9954, 0.2917, 0.2943

### Protanopia

58.1061, 0.2890, 0.2942

### Deuteranopia

57.8092, 0.2969, 0.2904



## Tritanopia

58.0022, 0.2984, 0.3101

# Trichromacy



## Original Color

57.9954, 0.2917, 0.2943

## Protanomaly

58.2398, 0.2897, 0.2943

## Deuteranomaly

57.8335, 0.2947, 0.2913

## Tritanomaly

57.8845, 0.2964, 0.3044

# Monochromacy



## Original Color

57.9954, 0.2917, 0.2943

## Achromatopsia

58.4078, 0.3127, 0.3290

## Achromatomaly

58.2911, 0.3049, 0.3160

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.9954, 0.2917, 0.2943 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(198, 198, 228)` looks like.

```
.text, #text, p{  
    color:rgb(198, 198, 228)  
}
```

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(198, 198, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 198, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 57.9954, 0.2917, 0.2943 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(198, 198, 228) }
```

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

```
.border{ border-color:rgb(198, 198, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 198, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 198, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 198, 228);  
box-shadow:4px 4px 4px 4px rgb(198, 198,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.9954, 0.2917, 0.2943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 198, 228) }
```

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

```
.background{ background-color: rgb(198,  
198, 228) }
```

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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