

# Converting Colors

$Y_{xy}(60.8811, 0.2959, 0.2870)$

Have a look what the booklet for  
Yxy(60.8811, 0.2959, 0.2870)  
contains.

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# Color

**Yxy(60.9583, 0.2960, 0.2870)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4C7ED
RGB	212, 199, 237
RGB Percent	83%, 78%, 93%
CMY	0.1684, 0.2196, 0.0706
CMYK	0.11, 0.16, 0.00, 0.07
HSL	261°, 51%, 85%
HSV	261°, 16%, 93%
XYZ	62.8699, 60.9583, 88.5701
YIQ	207.2190, -4.4500, 14.5740

# Conversions

## Conversions Part 2

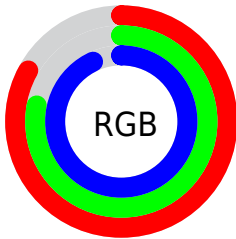
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 199, 237
Decimal	13944813
CIE Lab	82.36, 11.70, -17.12
CIE LCh	82, 20.735, 304.354
Yxy	60.9583, 0.2960, 0.2870
Android (android.graphics.Color)	4292134893 (0xFFD4C7ED)
YUV	207.2190, 14.6820, 4.1929
Hunter-Lab	78.0758, 7.1030, -12.6062

# Details

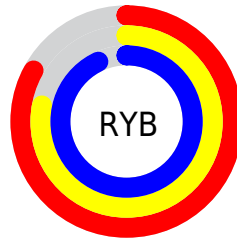
The Yxy color **60.9583, 0.2960, 0.2870** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.5277, 0.3276, 0.3700**, and the grayscale version is **62.4558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **30.7551, 0.2914, 0.2769** is the 20% darker color. If you saturate the color by 10%, you get **48.6890, 0.2835, 0.2577**, and if you desaturate by 10%, it is **75.1539, 0.3069, 0.3140**.

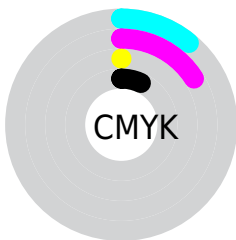
# Distribution



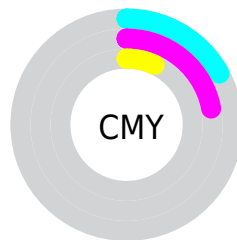
- Red (83%)
- Green (78%)
- Blue (93%)



- Red (83%)
- Yellow (78%)
- Blue (93%)



- Cyan (11%)
- Magenta (16%)
- Yellow (0%)
- Black (7%)



- Cyan (17%)
- Magenta (22%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.9583, 0.2960, 0.2870 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 60.9583, 0.2960, 0.2870 by changing the saturation by 10% instead.



60.9583, 0.2960,  
0.2870

60.9583, 0.2960,  
0.2870

428.1211, 0.3041,  
0.3065

44.1915, 0.2941,  
0.2825

106.2186, 0.2989,  
0.2938

30.8211, 0.2916,  
0.2770

135.4808, 0.3000,  
0.2964

20.4627, 0.2884,  
0.2700

169.6770, 0.3009,  
0.2987

12.7318, 0.2841,  
0.2608

209.1916, 0.3017,  
0.3007

7.2441, 0.2781,  
0.2484

254.4089, 0.3025,  
0.3024

3.6152, 0.2689,  
0.2305

305.7133, 0.3031,

1.4607, 0.2536,

0.3039

0.2028

363.4892, 0.3036,  
0.3053

0.2609, 0.2249,  
0.1099

0.0000, 0.0000,  
0.0000

60.9583, 0.2960,  
0.2870

60.9583, 0.2960,  
0.2870

48.6890, 0.2835,  
0.2577

75.1539, 0.3069,  
0.3140

38.2536, 0.2694,  
0.2266

91.3473, 0.3162,  
0.3384

29.5635, 0.2539,  
0.1946

98.8943, 0.3232,  
0.3464

22.5198, 0.2376,  
0.1631

■ 17.0132, 0.2210,  
0.1340

■ 12.9205, 0.2050,  
0.1090

■ 10.0988, 0.1906,  
0.0898

■ 8.3724, 0.1786,  
0.0772

■ 7.8818, 0.1745,  
0.0735

# Harmonies

## Analogous

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



60.9583, 0.2747, 0.2858



60.9583, 0.2960, 0.2870



60.9583, 0.3227, 0.2983

# Triad

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



60.9583, 0.2960, 0.2870



60.9583, 0.3642, 0.3598



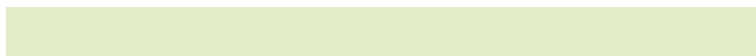
60.9583, 0.2785, 0.3404

# Complementary

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



60.9583, 0.2960, 0.2870



80.5277, 0.3276, 0.3700

# 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.



60.9583, 0.3013, 0.3630



60.9583, 0.2960, 0.2870



60.9583, 0.3511, 0.3735

# Square

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



60.9583, 0.2960, 0.2870



60.9583, 0.3629, 0.3391



60.9583, 0.3279, 0.3752



60.9583, 0.2650, 0.3155



# Rectangle

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



60.9583, 0.2960, 0.2870



60.9583, 0.3399, 0.3101



60.9583, 0.3279, 0.3752



60.9583, 0.2853, 0.3486

# Sweetspot

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



60.9609, 0.2960, 0.2870



90.5801, 0.3079, 0.3166



71.7431, 0.2878, 0.3149



19.1148, 0.3072, 0.3148



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.



60.9609, 0.2960, 0.2870



67.3466, 0.2924, 0.2783



63.8897, 0.3098, 0.2887



14.8004, 0.3033, 0.3050



4.3686, 0.1761, 0.0744



0.3946, 0.1913, 0.0827



# Inverse Universe

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



64.2253, 0.3241, 0.3026



71.8619, 0.3266, 0.2974



77.7152, 0.3149, 0.3716



15.2207, 0.3190, 0.3137



11.1583, 0.4311, 0.2149



0.8941, 0.4119, 0.2043



# Previews

## White Background



This preview shows how the Yxy color 60.9583, 0.2960, 0.2870 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

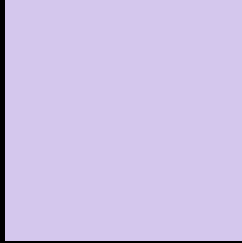
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.9583, 0.2960, 0.2870 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

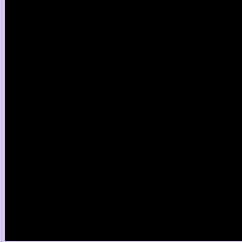
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.9583, 0.2960, 0.2870**

## Background



This preview shows how black text looks on a background with the Yxy color 60.9583, 0.2960, 0.2870.



This preview shows how white text looks on a background with the Yxy color 60.9583, 0.2960, 0.2870.

# 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

60.9583, 0.2960, 0.2870

### Protanopia

61.0089, 0.2842, 0.2872

### Deuteranopia

61.1246, 0.2945, 0.2880



## Tritanopia

60.8583, 0.3067, 0.3108

# Trichromacy



## Original Color

60.9583, 0.2960, 0.2870

## Protanomaly

61.1696, 0.2883, 0.2875

## Deuteranomaly

61.2719, 0.2953, 0.2880

## Tritanomaly

60.9112, 0.3026, 0.3019

# Monochromacy



## Original Color

60.9583, 0.2960, 0.2870

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

61.8030, 0.3067, 0.3131

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.9583, 0.2960, 0.2870 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(212, 199, 237)` looks like.

```
.text, #text, p{  
    color:rgb(212, 199, 237)  
}
```

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(212, 199, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 199, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 60.9583, 0.2960, 0.2870 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(212, 199, 237) }
```

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

```
.border{ border-color:rgb(212, 199, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 199, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 199, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 199, 237);  
box-shadow:4px 4px 4px 4px rgb(212, 199,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.9583, 0.2960, 0.2870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 199, 237) }
```

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

```
.background{ background-color: rgb(212,  
199, 237) }
```

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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