

# Converting Colors

Yxy(58.0033, 0.3167, 0.2915)

Have a look what the booklet for  
Yxy(58.0033, 0.3167, 0.2915)  
contains.

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# Color

**Yxy(57.8917, 0.3169, 0.2917)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2BDDF
RGB	226, 189, 223
RGB Percent	89%, 74%, 87%
CMY	0.1135, 0.2589, 0.1254
CMYK	0.00, 0.16, 0.01, 0.11
HSL	305°, 39%, 81%
HSV	305°, 16%, 89%
XYZ	62.8930, 57.8917, 77.6785
YIQ	203.9390, 11.1380, 18.4180

# Conversions

## Conversions Part 2

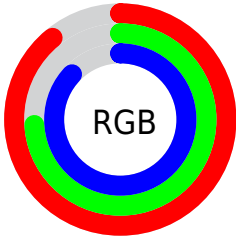
Format	Color
R <sub>Y</sub> B	226, 189, 223
Decimal	14859743
CIE Lab	80.68, 18.99, -12.02
CIE LCh	81, 22.471, 327.661
Yxy	57.8917, 0.3169, 0.2917
Android (android.graphics.Color)	4293049823 (0xFFE2BDDF)
YUV	203.9390, 9.3971, 19.3475
Hunter-Lab	76.0866, 14.3961, -7.2698

# Details

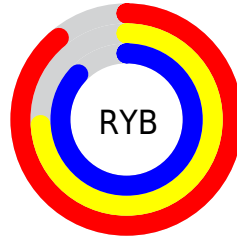
The Yxy color  $57.8917, 0.3169, 0.2917$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $69.0430, 0.3087, 0.3694$ , and the grayscale version is  $60.2816, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $93.7848, 0.3132, 0.3194$ , and  $28.9815, 0.3170, 0.2831$  is the 20% darker color. If you saturate the color by 10%, you get  $48.8169, 0.3198, 0.2684$ , and if you desaturate by 10%, it is  $68.4882, 0.3143, 0.3147$ .

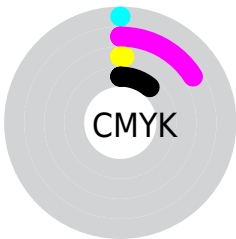
# Distribution



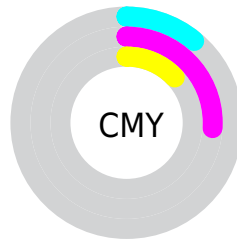
- Red (89%)
- Green (74%)
- Blue (87%)



- Red (89%)
- Yellow (74%)
- Blue (87%)



- Cyan (0%)
- Magenta (16%)
- Yellow (1%)
- Black (11%)




- Cyan (11%)
- Magenta (26%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.8917, 0.3169, 0.2917 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 57.8917, 0.3169, 0.2917 by changing the saturation by 10% instead.




 57.8917, 0.3169,  
0.2917

 57.8917, 0.3169,  
0.2917

416.7823, 0.3151,  
0.3091

 41.7216, 0.3173,  
0.2877


 101.7651, 0.3163,  
0.2978

 28.8834, 0.3177,  
0.2827


130.2372, 0.3161,  
0.3001

 18.9926, 0.3182,  
0.2763


163.5788, 0.3159,  
0.3022

 11.6649, 0.3188,  
0.2680

202.1742, 0.3157,  
0.3039

 6.5160, 0.3195,  
0.2565

246.4079, 0.3155,  
0.3055

 3.1613, 0.3202,  
0.2398

296.6642, 0.3154,

 1.2165, 0.3206,

0.3068

0.2133

353.3275, 0.3152,  
0.3080

0.0751, 0.3491,  
0.0490

0.0000, 0.0000,  
0.0000

57.8917, 0.3169,  
0.2917

57.8917, 0.3169,  
0.2917

48.8169, 0.3198,  
0.2684

68.4882, 0.3143,  
0.3147

41.1861, 0.3230,  
0.2457

80.6643, 0.3119,  
0.3369

34.9265, 0.3263,  
0.2242

93.3297, 0.3099,  
0.3561

29.9557, 0.3297,  
0.2051

93.4335, 0.3088,  
0.3541

26.1825, 0.3330,  
0.1893

93.5384, 0.3078,  
0.3522

23.5037, 0.3363,  
0.1775

93.6444, 0.3068,  
0.3503

21.7990, 0.3393,  
0.1700

93.7515, 0.3057,  
0.3484

20.9169, 0.3420,  
0.1668

93.8597, 0.3047,  
0.3464

20.7072, 0.3429,  
0.1663

93.9691, 0.3036,  
0.3445

# Harmonies

## Analogous

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



57.8917, 0.2883, 0.2816



57.8917, 0.3169, 0.2917



57.8917, 0.3456, 0.3106

# Triad

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



57.8917, 0.3169, 0.2917



57.8917, 0.3594, 0.3756



57.8917, 0.2625, 0.3198

# Complementary

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



57.8917, 0.3169, 0.2917



69.0430, 0.3087, 0.3694

# 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.



57.8917, 0.2799, 0.3477



57.8917, 0.3169, 0.2917



57.8917, 0.3356, 0.3810

# Square

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



57.8917, 0.3169, 0.2917



57.8917, 0.3707, 0.3581



57.8917, 0.3065, 0.3709



57.8917, 0.2579, 0.2963



# Rectangle

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



57.8917, 0.3169, 0.2917



57.8917, 0.3604, 0.3262



57.8917, 0.3065, 0.3709



57.8917, 0.2670, 0.3290

# Sweetspot

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



57.8942, 0.3169, 0.2917



92.0661, 0.3139, 0.3178



53.0187, 0.2879, 0.2851



19.4764, 0.3141, 0.3162



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.



57.8942, 0.3169, 0.2917



71.3994, 0.3180, 0.2830



56.9759, 0.3308, 0.3111



13.9152, 0.3150, 0.3078



11.8162, 0.3426, 0.1661



0.8249, 0.3389, 0.1640



# Inverse Universe

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



57.8942, 0.3169, 0.2917



71.3994, 0.3180, 0.2830



69.8887, 0.2976, 0.3477



13.9152, 0.3150, 0.3078



11.8162, 0.3426, 0.1661

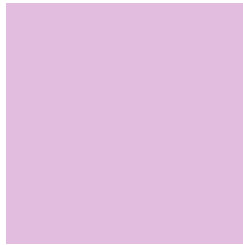


0.8249, 0.3389, 0.1640



# Previews

## White Background



This preview shows how the Yxy color 57.8917, 0.3169, 0.2917 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

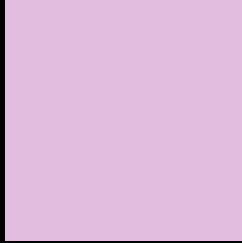
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.8917, 0.3169, 0.2917 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

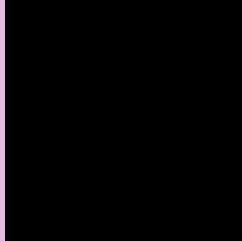
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.8917, 0.3169, 0.2917**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.8917, 0.3169, 0.2917.



This preview shows how white text looks on a background with the Yxy color 57.8917, 0.3169, 0.2917.

# 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

57.8917, 0.3169, 0.2917

### Protanopia

58.1061, 0.2890, 0.2942

### Deuteranopia

58.0058, 0.3048, 0.2983



## Tritanopia

58.0516, 0.3273, 0.3122

# Trichromacy



## Original Color

57.8917, 0.3169, 0.2917

## Protanomaly

57.6981, 0.2983, 0.2925

## Deuteranomaly

58.0128, 0.3095, 0.2964

## Tritanomaly

58.0733, 0.3235, 0.3046

# Monochromacy



## Original Color

57.8917, 0.3169, 0.2917

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

59.5470, 0.3141, 0.3153

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.8917, 0.3169, 0.2917 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(226, 189, 223)` looks like.

```
.text, #text, p{  
    color:rgb(226, 189, 223)  
}
```

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(226, 189, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 189, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 57.8917, 0.3169, 0.2917 is called "border". The border property can be set on classes, ids or directly on the HTML element.

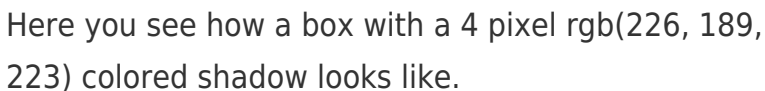
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(226, 189, 223) }
```

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

```
.border{ border-color:rgb(226, 189, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(226, 189, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 189, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 189, 223); box-shadow:4px 4px 4px 4px rgb(226, 189, 223) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.8917, 0.3169, 0.2917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 189, 223) }
```

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

```
.background{ background-color: rgb(226,  
189, 223) }
```

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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