

# Converting Colors

Yxy(59.8697, 0.2916, 0.2610)

Have a look what the booklet for  
Yxy(59.8697, 0.2916, 0.2610)  
contains.

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# Color

**Yxy(59.7349, 0.2918, 0.2606)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFBEFF
RGB	223, 190, 255
RGB Percent	87%, 75%, 100%
CMY	0.1256, 0.2548, 0.0001
CMYK	0.13, 0.25, 0.00, 0.00
HSL	270°, 100%, 87%
HSV	270°, 25%, 100%
XYZ	66.8866, 59.7349, 102.5992
YIQ	207.2770, -1.1970, 27.2110

# Conversions

## Conversions Part 2

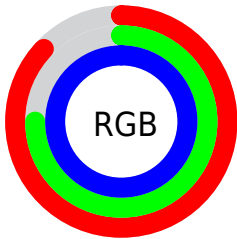
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 190, 255
Decimal	14663423
CIE Lab	81.69, 23.64, -27.64
CIE LCh	82, 36.371, 310.545
Yxy	59.7349, 0.2918, 0.2606
Android (android.graphics.Color)	4292853503 (0xFFDFBEFF)
YUV	207.2770, 23.5274, 13.7891
Hunter-Lab	77.2884, 19.2221, -24.6048

# Details

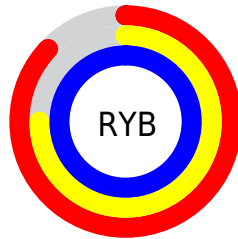
The Yxy color  $59.7349, 0.2918, 0.2606$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $90.7631, 0.3294, 0.3977$ , and the grayscale version is  $62.4306, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $94.3915, 0.3131, 0.3204$ , and  $29.9010, 0.2859, 0.2447$  is the 20% darker color. If you saturate the color by 10%, you get  $47.7181, 0.2813, 0.2310$ , and if you desaturate by 10%, it is  $73.8369, 0.3010, 0.2889$ .

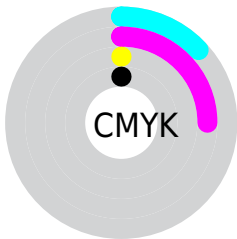
# Distribution



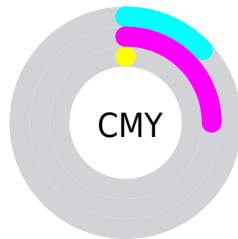
- Red (87%)
- Green (75%)
- Blue (100%)



- Red (87%)
- Yellow (75%)
- Blue (100%)



- Cyan (13%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)




- Cyan (13%)
- Magenta (25%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.7349, 0.2918, 0.2606 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 59.7349, 0.2918, 0.2606 by changing the saturation by 10% instead.




 59.7349, 0.2918,  
0.2606

 59.7349, 0.2918,  
0.2606


423.6199, 0.3022,  
0.2917

 43.2050, 0.2893,  
0.2537


 104.4450, 0.2956,  
0.2712

 30.0460, 0.2860,  
0.2452


133.3940, 0.2970,  
0.2754

 19.8735, 0.2818,  
0.2347


167.2515, 0.2982,  
0.2790

 12.3031, 0.2761,  
0.2212

206.4018, 0.2992,  
0.2822

 6.9505, 0.2681,  
0.2035

251.2295, 0.3001,  
0.2850

 3.4311, 0.2560,  
0.1792

302.1188, 0.3009,

 1.3607, 0.2362,

0.2875

0.1445

359.4541, 0.3016,  
0.2897

0.1875, 0.2088,  
0.0518

0.0000, 0.0000,  
0.0000

59.7349, 0.2918,  
0.2606

59.7349, 0.2918,  
0.2606

47.7181, 0.2813,  
0.2310

73.8369, 0.3010,  
0.2889

37.6752, 0.2696,  
0.2010

90.1131, 0.3089,  
0.3154

29.4958, 0.2570,  
0.1719

99.9991, 0.3127,  
0.3290

23.0548, 0.2438,  
0.1452

■ 18.2115, 0.2306,  
0.1224

■ 14.8019, 0.2181,  
0.1046

■ 12.6241, 0.2066,  
0.0926

■ 11.9137, 0.2018,  
0.0886

# Harmonies

## Analogous

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



59.7349, 0.2531, 0.2541



59.7349, 0.2918, 0.2606



59.7349, 0.3393, 0.2822

# Triad

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



59.7349, 0.2918, 0.2606



59.7349, 0.4004, 0.3869



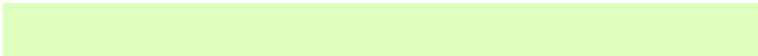
59.7349, 0.2468, 0.3388

# Complementary

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



59.7349, 0.2918, 0.2606



90.7631, 0.3294, 0.3977

# 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.



59.7349, 0.2826, 0.3836



59.7349, 0.2918, 0.2606



59.7349, 0.3716, 0.4101

# Square

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



59.7349, 0.2918, 0.2606



59.7349, 0.4047, 0.3519



59.7349, 0.3282, 0.4106



59.7349, 0.2287, 0.2950



# Rectangle

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



59.7349, 0.2918, 0.2606



59.7349, 0.3692, 0.3030



59.7349, 0.3282, 0.4106



59.7349, 0.2570, 0.3546

# Sweetspot

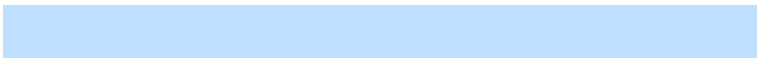
The Sweet Spot groups the original color and five complimentary colors.



59.7374, 0.2918, 0.2606



85.8111, 0.3070, 0.3089



70.6777, 0.2720, 0.2933



17.8306, 0.3059, 0.3050



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.



59.7374, 0.2918, 0.2606



52.8578, 0.2862, 0.2444



65.3106, 0.3157, 0.2654



17.8306, 0.3059, 0.3050



6.3150, 0.2035, 0.0895



0.6799, 0.2157, 0.0962



# Inverse Universe

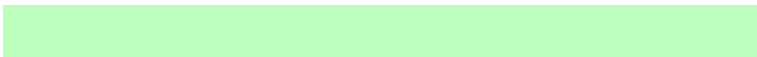
The Inverse Universe completely reimagines the original color for something new.



63.3670, 0.3408, 0.2965



57.1922, 0.3488, 0.2891



86.1785, 0.3093, 0.4021



18.1363, 0.3217, 0.3173



11.9211, 0.4995, 0.2525



1.1827, 0.4737, 0.2383



# Previews

## White Background



This preview shows how the Yxy color 59.7349, 0.2918, 0.2606 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

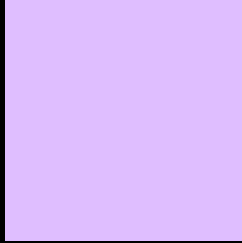
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.7349, 0.2918, 0.2606 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 59.7349, 0.2918, 0.2606**

## Background



This preview shows how black text looks on a background with the Yxy color 59.7349, 0.2918, 0.2606.

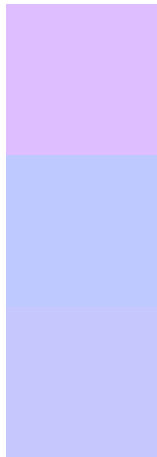


This preview shows how white text looks on a background with the Yxy color 59.7349, 0.2918, 0.2606.

# 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

59.7349, 0.2918, 0.2606

### Protanopia

59.8121, 0.2690, 0.2685

### Deuteranopia

59.8090, 0.2753, 0.2691



## Tritanopia

59.7912, 0.3159, 0.3120

# Trichromacy



## Original Color

59.7349, 0.2918, 0.2606

## Protanomaly

59.5700, 0.2766, 0.2653

## Deuteranomaly

59.7574, 0.2806, 0.2658

## Tritanomaly

59.6917, 0.3075, 0.2926

# Monochromacy



## Original Color

59.7349, 0.2918, 0.2606

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

61.3012, 0.3056, 0.3032

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.7349, 0.2918, 0.2606 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(223, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 190, 255)  
}
```

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(223, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 190, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 59.7349, 0.2918, 0.2606 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(223, 190, 255) }
```

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

```
.border{ border-color:rgb(223, 190, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 190,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.7349, 0.2918, 0.2606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 190, 255) }
```

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

```
.background{ background-color: rgb(223,  
190, 255) }
```

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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