

# Converting Colors

Yxy(58.4711, 0.2839, 0.2591)

Have a look what the booklet for  
Yxy(58.4711, 0.2839, 0.2591)  
contains.

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# Color

**Yxy(58.6277, 0.2846, 0.2602)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5BFFF
RGB	213, 191, 255
RGB Percent	84%, 75%, 100%
CMY	0.1647, 0.2510, 0.0000
CMYK	0.16, 0.25, 0.00, 0.00
HSL	261°, 100%, 87%
HSV	261°, 25%, 100%
XYZ	64.1255, 58.6277, 102.5647
YIQ	204.8740, -7.4320, 24.5680

# Conversions

## Conversions Part 2

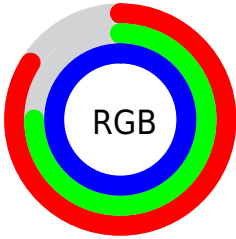
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	213, 191, 255
Decimal	14008319
CIE Lab	81.09, 20.06, -28.66
CIE LCh	81, 34.983, 304.979
Yxy	58.6277, 0.2846, 0.2602
Android (android.graphics.Color)	4292198399 (0xFFD5BFFF)
YUV	204.8740, 24.7121, 7.1265
Hunter-Lab	76.5687, 15.4965, -25.8215

# Details

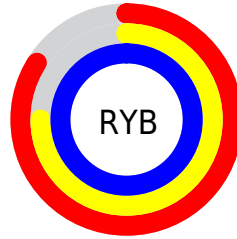
The Yxy color **58.6277, 0.2846, 0.2602** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **92.6039, 0.3361, 0.3951**, and the grayscale version is **60.8101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0015, 0.3131, 0.3214**, and **29.2376, 0.2775, 0.2441** is the 20% darker color. If you saturate the color by 10%, you get **46.0835, 0.2706, 0.2291**, and if you desaturate by 10%, it is **73.3677, 0.2970, 0.2895**.

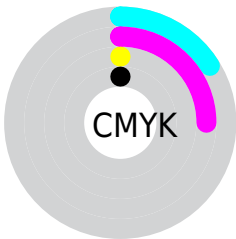
# Distribution



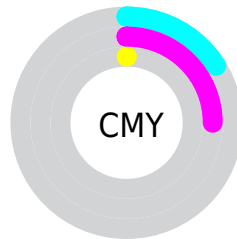
- Red (84%)
- Green (75%)
- Blue (100%)



- Red (84%)
- Yellow (75%)
- Blue (100%)



- Cyan (16%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)




- Cyan (16%)
- Magenta (25%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.6277, 0.2846, 0.2602 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 58.6277, 0.2846, 0.2602 by changing the saturation by 10% instead.





 58.6277, 0.2846,  
0.2602

 58.6277, 0.2846,  
0.2602

419.5208, 0.2984,  
0.2916

 42.3135, 0.2813,  
0.2532


 102.8364, 0.2895,  
0.2710

 29.3468, 0.2771,  
0.2445


131.4996, 0.2914,  
0.2752

 19.3434, 0.2717,  
0.2338


165.0480, 0.2930,  
0.2789

 11.9186, 0.2645,  
0.2200

203.8659, 0.2944,  
0.2821

 6.6883, 0.2543,  
0.2017

248.3378, 0.2956,  
0.2849

 3.2679, 0.2393,  
0.1766

298.8480, 0.2966,

 1.2732, 0.2152,

0.2874

0.1407

355.7808, 0.2976,  
0.2896

0.1203, 0.1778,  
0.0354

0.0000, 0.0000,  
0.0000

58.6277, 0.2846,  
0.2602

58.6277, 0.2846,  
0.2602

46.0835, 0.2706,  
0.2291

73.3677, 0.2970,  
0.2895

35.6247, 0.2552,  
0.1970

90.4017, 0.3078,  
0.3163

27.1344, 0.2388,  
0.1653

100.0000, 0.3127,  
0.3290

20.4831, 0.2221,  
0.1359

■ 15.5252, 0.2060,  
0.1104

■ 12.0917, 0.1915,  
0.0908

■ 9.9759, 0.1793,  
0.0778

■ 9.2794, 0.1742,  
0.0733

# Harmonies

## Analogous

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



58.6277, 0.2496, 0.2570



58.6277, 0.2846, 0.2602



58.6277, 0.3299, 0.2788

# Triad

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



58.6277, 0.2846, 0.2602



58.6277, 0.4004, 0.3795



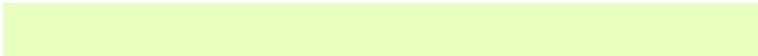
58.6277, 0.2541, 0.3471

# Complementary

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



58.6277, 0.2846, 0.2602



92.6039, 0.3361, 0.3951

# 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.



58.6277, 0.2914, 0.3883



58.6277, 0.2846, 0.2602



58.6277, 0.3764, 0.4048

# Square

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



58.6277, 0.2846, 0.2602



58.6277, 0.3995, 0.3446



58.6277, 0.3362, 0.4098



58.6277, 0.2330, 0.3033



# Rectangle

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



58.6277, 0.2846, 0.2602



58.6277, 0.3598, 0.2978



58.6277, 0.3362, 0.4098



58.6277, 0.2651, 0.3620

# Sweetspot

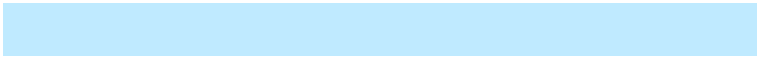
The Sweet Spot groups the original color and five complimentary colors.



58.6285, 0.2846, 0.2602



85.2170, 0.3049, 0.3088



76.9521, 0.2737, 0.3058



17.6814, 0.3033, 0.3048



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.



58.6285, 0.2846, 0.2602



52.2117, 0.2779, 0.2452



63.7741, 0.3076, 0.2647



17.6814, 0.3033, 0.3048



4.9227, 0.1758, 0.0742



0.5370, 0.1880, 0.0809



# Inverse Universe

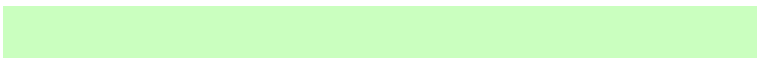
The Inverse Universe completely reimagines the original color for something new.



64.4040, 0.3321, 0.2868



58.9402, 0.3369, 0.2783



87.7916, 0.3159, 0.3994



18.1880, 0.3191, 0.3135



12.6019, 0.4318, 0.2152

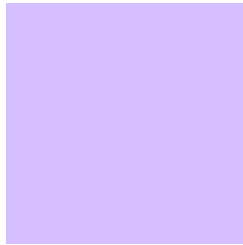


1.2476, 0.4158, 0.2064



# Previews

## White Background



This preview shows how the Yxy color 58.6277, 0.2846, 0.2602 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

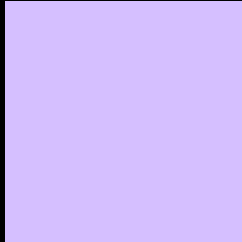
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.6277, 0.2846, 0.2602 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

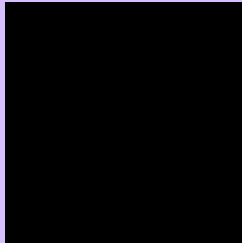
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.6277, 0.2846, 0.2602**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.6277, 0.2846, 0.2602.

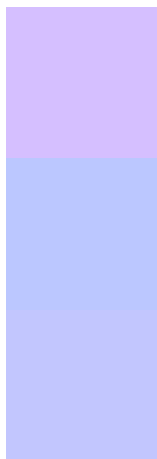


This preview shows how white text looks on a background with the Yxy color 58.6277, 0.2846, 0.2602.

# 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

58.6277, 0.2846, 0.2602

### Protanopia

58.6316, 0.2675, 0.2660

### Deuteranopia

59.0133, 0.2726, 0.2666



## Tritanopia

58.8237, 0.3074, 0.3116

# Trichromacy



## Original Color

58.6277, 0.2846, 0.2602

## Protanomaly

58.4356, 0.2732, 0.2636

## Deuteranomaly

58.6035, 0.2771, 0.2641

## Tritanomaly

58.6923, 0.2992, 0.2918

# Monochromacy



## Original Color

58.6277, 0.2846, 0.2602

## Achromatopsia

61.0496, 0.3127, 0.3290

## Achromatomaly

60.0462, 0.3025, 0.3028

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.6277, 0.2846, 0.2602 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(213, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 191, 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(213, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 191, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 58.6277, 0.2846, 0.2602 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(213, 191, 255) }
```

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

```
.border{ border-color:rgb(213, 191, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 191,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.6277, 0.2846, 0.2602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 191, 255) }
```

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

```
.background{ background-color: rgb(213,  
191, 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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