

# Converting Colors

Yxy(58.7146, 0.2896, 0.2587)

Have a look what the booklet for  
Yxy(58.7146, 0.2896, 0.2587)  
contains.

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# **Color**

**Yxy(58.8308, 0.2896, 0.2591)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCBDFF
RGB	220, 189, 255
RGB Percent	86%, 74%, 100%
CMY	0.1373, 0.2588, 0.0001
CMYK	0.14, 0.26, 0.00, 0.00
HSL	268°, 100%, 87%
HSV	268°, 26%, 100%
XYZ	65.7561, 58.8308, 102.4714
YIQ	205.7930, -2.7100, 27.0980

# Conversions

## Conversions Part 2

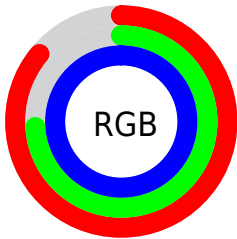
Format	Color
R <sub>Y</sub> B	220, 189, 255
Decimal	14466559
CIE Lab	81.20, 23.26, -28.41
CIE LCh	81, 36.717, 309.305
Yxy	58.8308, 0.2896, 0.2591
Android (android.graphics.Color)	4292656639 (0xFFDCBDFF)
YUV	205.7930, 24.2591, 12.4595
Hunter-Lab	76.7012, 18.8011, -25.5194

# Details

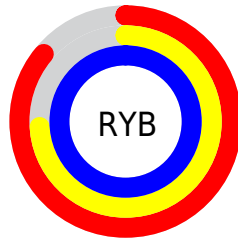
The Yxy color **58.8308, 0.2896, 0.2591** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **91.0219, 0.3313, 0.3985**, and the grayscale version is **61.4261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7848, 0.3132, 0.3194**, and **29.2977, 0.2830, 0.2426** is the 20% darker color. If you saturate the color by 10%, you get **46.7852, 0.2782, 0.2291**, and if you desaturate by 10%, it is **72.9801, 0.2996, 0.2877**.

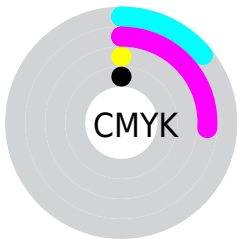
# Distribution



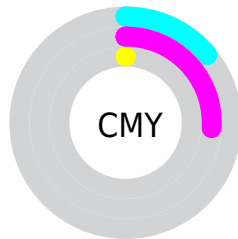
- Red (86%)
- Green (74%)
- Blue (100%)



- Red (86%)
- Yellow (74%)
- Blue (100%)



- Cyan (14%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)




- Cyan (14%)
- Magenta (26%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.8308, 0.2896, 0.2591 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 58.8308, 0.2896, 0.2591 by changing the saturation by 10% instead.




 58.8308, 0.2896,  
0.2591

 58.8308, 0.2896,  
0.2591


420.2746, 0.3011,  
0.2909

 42.4769, 0.2868,  
0.2520


 103.1317, 0.2937,  
0.2700

 29.4749, 0.2833,  
0.2433


131.8475, 0.2953,  
0.2743

 19.4404, 0.2786,  
0.2325


165.4528, 0.2966,  
0.2780

 11.9889, 0.2724,  
0.2187

204.3319, 0.2978,  
0.2812

 6.7361, 0.2636,  
0.2004

248.8693, 0.2988,  
0.2841

 3.2976, 0.2504,  
0.1755

299.4492, 0.2997,

 1.2890, 0.2290,

0.2866

0.1400

356.4562, 0.3004,  
0.2889

0.1327, 0.1988,  
0.0380

0.0000, 0.0000,  
0.0000

58.8308, 0.2896,  
0.2591

58.8308, 0.2896,  
0.2591

46.7852, 0.2782,  
0.2291

72.9801, 0.2996,  
0.2877

36.7310, 0.2656,  
0.1986

89.3232, 0.3083,  
0.3144

28.5563, 0.2520,  
0.1690

99.9981, 0.3127,  
0.3290

22.1349, 0.2379,  
0.1417

■ 17.3243, 0.2240,  
0.1184

■ 13.9584, 0.2108,  
0.1004

■ 11.8321, 0.1991,  
0.0883

■ 11.1931, 0.1946,  
0.0846

# Harmonies

## Analogous

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



58.8308, 0.2510, 0.2531



58.8308, 0.2896, 0.2591



58.8308, 0.3376, 0.2804

# Triad

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



58.8308, 0.2896, 0.2591



58.8308, 0.4023, 0.3863



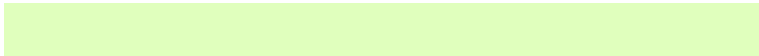
58.8308, 0.2470, 0.3409

# Complementary

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



58.8308, 0.2896, 0.2591



91.0219, 0.3313, 0.3985

# 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.



58.8308, 0.2839, 0.3861



58.8308, 0.2896, 0.2591



58.8308, 0.3740, 0.4107

# Square

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



58.8308, 0.2896, 0.2591



58.8308, 0.4057, 0.3505



58.8308, 0.3303, 0.4125



58.8308, 0.2279, 0.2960



# Rectangle

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



58.8308, 0.2896, 0.2591



58.8308, 0.3683, 0.3012



58.8308, 0.3303, 0.4125



58.8308, 0.2576, 0.3569

# Sweetspot

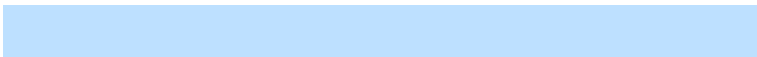
The Sweet Spot groups the original color and five complimentary colors.



58.8332, 0.2896, 0.2591



85.6733, 0.3065, 0.3089



71.4524, 0.2715, 0.2951



17.7960, 0.3053, 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.



58.8332, 0.2896, 0.2591



52.4086, 0.2839, 0.2438



64.4589, 0.3141, 0.2641



17.7960, 0.3053, 0.3050



5.9373, 0.1963, 0.0855



0.6424, 0.2088, 0.0924



# Inverse Universe

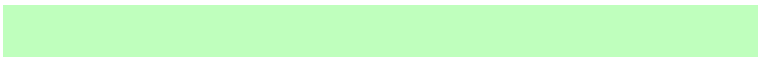
The Inverse Universe completely reimagines the original color for something new.



63.0369, 0.3394, 0.2935



57.3464, 0.3463, 0.2862



86.2796, 0.3106, 0.4031



18.1481, 0.3211, 0.3165



12.0568, 0.4836, 0.2437

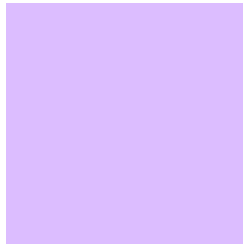


1.1960, 0.4599, 0.2307



# Previews

## White Background



This preview shows how the Yxy color 58.8308, 0.2896, 0.2591 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

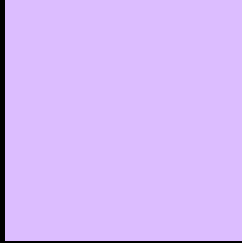
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.8308, 0.2896, 0.2591 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

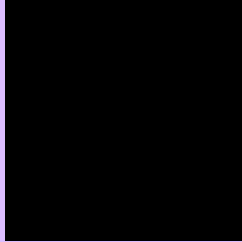
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.8308, 0.2896, 0.2591**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.8308, 0.2896, 0.2591.

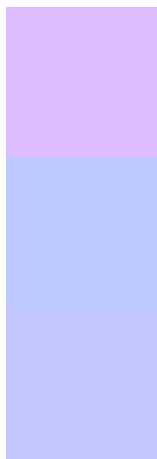


This preview shows how white text looks on a background with the Yxy color 58.8308, 0.2896, 0.2591.

# 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

58.8308, 0.2896, 0.2591

### Protanopia

59.2199, 0.2683, 0.2673

### Deuteranopia

59.0821, 0.2739, 0.2678



## Tritanopia

58.8321, 0.3143, 0.3119

# Trichromacy



## Original Color

58.8308, 0.2896, 0.2591

## Protanomaly

58.9792, 0.2759, 0.2641

## Deuteranomaly

59.0233, 0.2791, 0.2644

## Tritanomaly

58.7839, 0.3052, 0.2912

# Monochromacy



## Original Color

58.8308, 0.2896, 0.2591

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

60.5393, 0.3041, 0.3019

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.8308, 0.2896, 0.2591 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(220, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 189, 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(220, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 189, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 58.8308, 0.2896, 0.2591 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(220, 189, 255) }
```

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

```
.border{ border-color:rgb(220, 189, 255) }
```

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

Here you see how a box with a 4 pixel rgb(220, 189, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 189,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.8308, 0.2896, 0.2591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 189, 255) }
```

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

```
.background{ background-color: rgb(220,  
189, 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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