

# Converting Colors

Yxy(66.3411, 0.2355, 0.1816)

Have a look what the booklet for  
Yxy(66.3411, 0.2355, 0.1816)  
contains.

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# Color

**Yxy(57.8207, 0.2888, 0.2568)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBBBFF
RGB	219, 187, 255
RGB Percent	86%, 73%, 100%
CMY	0.1412, 0.2666, 0.0001
CMYK	0.14, 0.27, 0.00, 0.00
HSL	268°, 100%, 87%
HSV	268°, 27%, 100%
XYZ	65.0258, 57.8207, 102.3120
YIQ	204.3200, -2.7560, 27.9320

# Conversions

## Conversions Part 2

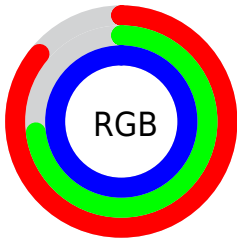
Format	Color
R <sub>Y</sub> B	219, 187, 255
Decimal	14400511
CIE Lab	80.64, 24.03, -29.27
CIE LCh	81, 37.872, 309.378
Yxy	57.8207, 0.2888, 0.2568
Android (android.graphics.Color)	4292590591 (0xFFDDBBFF)
YUV	204.3200, 24.9852, 12.8744
Hunter-Lab	76.0399, 19.5750, -26.5470

# Details

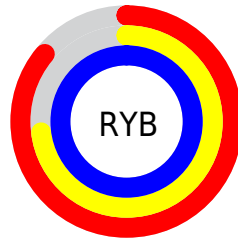
The Yxy color **57.8207, 0.2888, 0.2568** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **90.7746, 0.3318, 0.4008**, and the grayscale version is **60.4369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5812, 0.3133, 0.3175**, and **28.9139, 0.2819, 0.2410** is the 20% darker color. If you saturate the color by 10%, you get **45.9377, 0.2773, 0.2267**, and if you desaturate by 10%, it is **71.7988, 0.2989, 0.2856**.

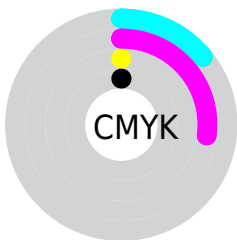
# Distribution



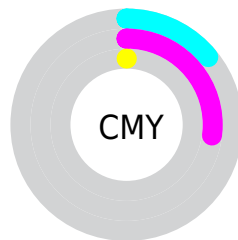
- Red (86%)
- Green (73%)
- Blue (100%)



- Red (86%)
- Yellow (73%)
- Blue (100%)



- Cyan (14%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)




- Cyan (14%)
- Magenta (27%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.8207, 0.2888, 0.2568 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 57.8207, 0.2888, 0.2568 by changing the saturation by 10% instead.





 57.8207, 0.2888,  
0.2568

 57.8207, 0.2888,  
0.2568

416.5175, 0.3007,  
0.2897

 41.6645, 0.2859,  
0.2495

 101.6617, 0.2931,  
0.2681

 28.8387, 0.2822,  
0.2405


130.1153, 0.2947,  
0.2725

 18.9588, 0.2774,  
0.2293


163.4369, 0.2961,  
0.2763

 11.6405, 0.2709,  
0.2150

202.0108, 0.2973,  
0.2797

 6.4994, 0.2616,  
0.1962

246.2214, 0.2983,  
0.2826

 3.1511, 0.2478,  
0.1705

296.4531, 0.2992,

 1.2111, 0.2253,

0.2852

0.1340

353.0903, 0.3000,  
0.2876

0.0707, 0.1937,  
0.0210

0.0000, 0.0000,  
0.0000

57.8207, 0.2888,  
0.2568

57.8207, 0.2888,  
0.2568

45.9377, 0.2773,  
0.2267

71.7988, 0.2989,  
0.2856

36.0370, 0.2646,  
0.1963

87.9627, 0.3076,  
0.3124

28.0059, 0.2510,  
0.1668

99.9979, 0.3127,  
0.3290

21.7171, 0.2369,  
0.1398

■ 17.0265, 0.2230,  
0.1169

■ 13.7658, 0.2100,  
0.0993

■ 11.7244, 0.1984,  
0.0877

■ 11.2082, 0.1948,  
0.0847

# Harmonies

## Analogous

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



57.8207, 0.2489, 0.2505



57.8207, 0.2888, 0.2568



57.8207, 0.3386, 0.2789

# Triad

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



57.8207, 0.2888, 0.2568



57.8207, 0.4056, 0.3882



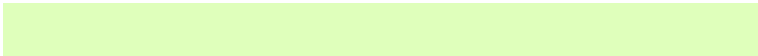
57.8207, 0.2446, 0.3411

# Complementary

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



57.8207, 0.2888, 0.2568



90.7746, 0.3318, 0.4008

# 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.



57.8207, 0.2826, 0.3883



57.8207, 0.2888, 0.2568



57.8207, 0.3760, 0.4137

# Square

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



57.8207, 0.2888, 0.2568



57.8207, 0.4092, 0.3512



57.8207, 0.3307, 0.4158



57.8207, 0.2250, 0.2946



# Rectangle

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



57.8207, 0.2888, 0.2568



57.8207, 0.3705, 0.3002



57.8207, 0.3307, 0.4158



57.8207, 0.2555, 0.3578

# Sweetspot

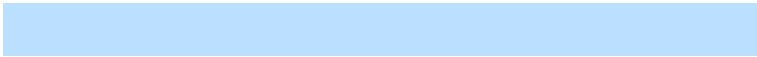
The Sweet Spot groups the original color and five complimentary colors.



57.8231, 0.2888, 0.2568



85.6764, 0.3065, 0.3089



70.6970, 0.2703, 0.2940



17.7967, 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.



57.8231, 0.2888, 0.2568



51.2270, 0.2828, 0.2408



63.5918, 0.3141, 0.2621



17.7967, 0.3053, 0.3050



5.9454, 0.1965, 0.0856



0.6433, 0.2089, 0.0925



# Inverse Universe

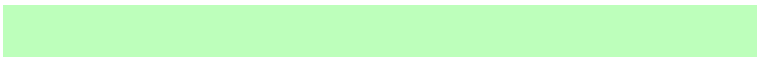
The Inverse Universe completely reimagines the original color for something new.



62.1284, 0.3404, 0.2925



56.2901, 0.3478, 0.2848



85.9420, 0.3105, 0.4056



18.1478, 0.3211, 0.3165



12.0536, 0.4839, 0.2439

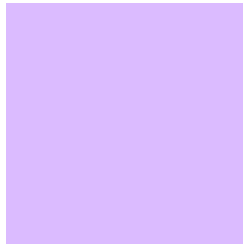


1.1957, 0.4602, 0.2309



# Previews

## White Background



This preview shows how the Yxy color 57.8207, 0.2888, 0.2568 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

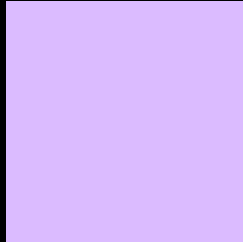
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.8207, 0.2888, 0.2568 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

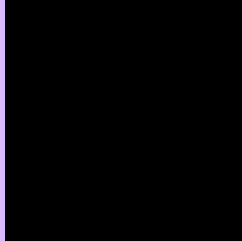
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.8207, 0.2888, 0.2568**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.8207, 0.2888, 0.2568.

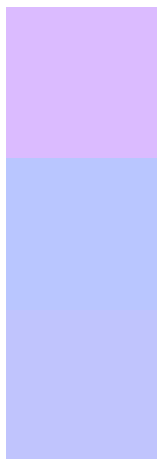


This preview shows how white text looks on a background with the Yxy color 57.8207, 0.2888, 0.2568.

# 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

57.8207, 0.2888, 0.2568

### Protanopia

57.9225, 0.2661, 0.2646

### Deuteranopia

57.7782, 0.2717, 0.2651



## Tritanopia

57.7304, 0.3144, 0.3106

# Trichromacy



## Original Color

57.8207, 0.2888, 0.2568

## Protanomaly

57.6739, 0.2737, 0.2614

## Deuteranomaly

57.8522, 0.2776, 0.2619

## Tritanomaly

57.6924, 0.3052, 0.2899

# Monochromacy



## Original Color

57.8207, 0.2888, 0.2568

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

59.2712, 0.3033, 0.3006

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.8207, 0.2888, 0.2568 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(219, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 187, 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(219, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 187, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 57.8207, 0.2888, 0.2568 is called "border". The border property can be set on classes, ids or directly on the HTML element.

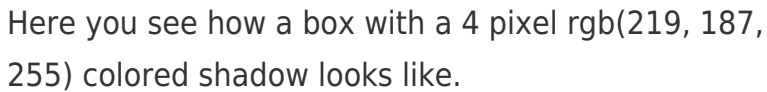
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(219, 187, 255) }
```

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

```
.border{ border-color:rgb(219, 187, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(219, 187, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 187, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 187, 255); box-shadow:4px 4px 4px 4px rgb(219, 187, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.8207, 0.2888, 0.2568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 187, 255) }
```

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

```
.background{ background-color: rgb(219,  
187, 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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