

# Converting Colors

Yxy(69.1833, 0.2896, 0.2834)

Have a look what the booklet for  
Yxy(69.1833, 0.2896, 0.2834)  
contains.

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# Color

**Yxy(69.3670, 0.2897, 0.2838)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBD4FF
RGB	219, 212, 255
RGB Percent	86%, 83%, 100%
CMY	0.1411, 0.1686, 0.0001
CMYK	0.14, 0.17, 0.00, 0.00
HSL	250°, 100%, 92%
HSV	250°, 17%, 100%
XYZ	70.8091, 69.3670, 104.2460
YIQ	218.9950, -9.6310, 14.8570

# Conversions

## Conversions Part 2

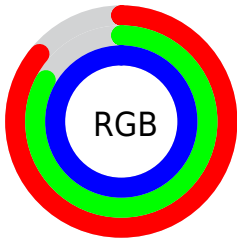
Format	Color
R <sub>Y</sub> B	219, 212, 255
Decimal	14406911
CIE Lab	86.69, 10.66, -20.08
CIE LCh	87, 22.729, 297.960
Yxy	69.3670, 0.2897, 0.2838
Android (android.graphics.Color)	4292596991 (0xFFD44FF)
YUV	218.9950, 17.7505, 0.0044
Hunter-Lab	83.2869, 6.0057, -15.9096

# Details

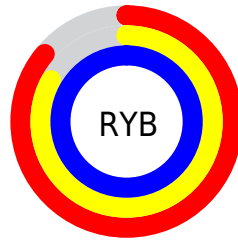
The Yxy color  $69.3670, 0.2897, 0.2838$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $96.2082, 0.3335, 0.3717$ , and the grayscale version is  $70.7177, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $36.0837, 0.2844, 0.2732$  is the 20% darker color. If you saturate the color by 10%, you get  $54.5130, 0.2735, 0.2530$ , and if you desaturate by 10%, it is  $86.6637, 0.3040, 0.3117$ .

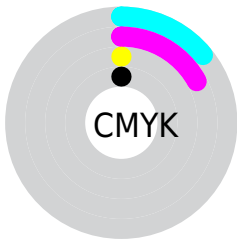
# Distribution



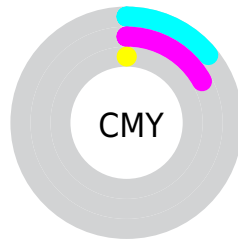
- Red (86%)
- Green (83%)
- Blue (100%)



- Red (86%)
- Yellow (83%)
- Blue (100%)



- Cyan (14%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (17%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.3670, 0.2897, 0.2838 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 69.3670, 0.2897, 0.2838 by changing the saturation by 10% instead.



69.3670, 0.2897,  
0.2838

69.3670, 0.2897,  
0.2838

458.3243, 0.3005,  
0.3043

51.0107, 0.2872,  
0.2792

118.3056, 0.2935,  
0.2908

36.2171, 0.2841,  
0.2736

149.6567, 0.2950,  
0.2936

24.6019, 0.2801,  
0.2666

186.1081, 0.2962,  
0.2960

15.7807, 0.2749,  
0.2576

228.0442, 0.2973,  
0.2981

9.3691, 0.2678,  
0.2455

275.8495, 0.2983,  
0.2999

4.9827, 0.2575,  
0.2288

329.9084, 0.2991,

2.2371, 0.2414,

0.3016

0.2041

390.6052, 0.2999,  
0.3030

0.7401, 0.2139,  
0.1633

0.0000, 0.0000,  
0.0000

69.3670, 0.2897,  
0.2838

69.3670, 0.2897,  
0.2838

54.5130, 0.2735,  
0.2530

86.6637, 0.3040,  
0.3117

41.9827, 0.2555,  
0.2199

99.9986, 0.3127,  
0.3290

31.6603, 0.2363,  
0.1856

23.4164, 0.2167,  
0.1519

■ 17.1082, 0.1978,  
0.1209

■ 12.5742, 0.1809,  
0.0951

■ 9.6266, 0.1674,  
0.0764

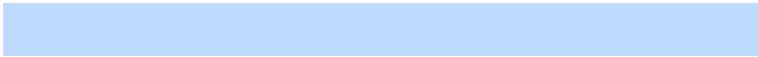
■ 8.0304, 0.1581,  
0.0655

■ 7.7041, 0.1559,  
0.0633

# Harmonies

## Analogous

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



69.3670, 0.2694, 0.2850



69.3670, 0.2897, 0.2838



69.3670, 0.3170, 0.2935

# Triad

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



69.3670, 0.2897, 0.2838



69.3670, 0.3678, 0.3570



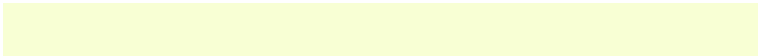
69.3670, 0.2812, 0.3466

# Complementary

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



69.3670, 0.2897, 0.2838



96.2082, 0.3335, 0.3717

# 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.



69.3670, 0.3066, 0.3686



69.3670, 0.2897, 0.2838



69.3670, 0.3570, 0.3736

# Square

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



69.3670, 0.2897, 0.2838



69.3670, 0.3632, 0.3345



69.3670, 0.3344, 0.3785



69.3670, 0.2647, 0.3201



# Rectangle

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



69.3670, 0.2897, 0.2838



69.3670, 0.3357, 0.3049



69.3670, 0.3344, 0.3785



69.3670, 0.2890, 0.3549

# Sweetspot

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



69.3699, 0.2897, 0.2838



90.1661, 0.3065, 0.3165



88.6783, 0.2869, 0.3223



19.0145, 0.3055, 0.3147



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.



69.3699, 0.2897, 0.2838



64.4527, 0.2848, 0.2744



72.8201, 0.3041, 0.2857



17.5203, 0.3004, 0.3046



4.0679, 0.1569, 0.0638



0.4346, 0.1658, 0.0687



# Inverse Universe

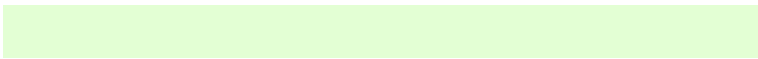
The Inverse Universe completely reimagines the original color for something new.



75.1178, 0.3194, 0.2937



71.1404, 0.3209, 0.2869



92.5980, 0.3200, 0.3735



18.2464, 0.3163, 0.3093



13.6466, 0.3672, 0.1797



1.3417, 0.3610, 0.1763



# Previews

## White Background



This preview shows how the Yxy color 69.3670, 0.2897, 0.2838 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

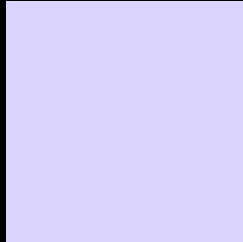
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.3670, 0.2897, 0.2838 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

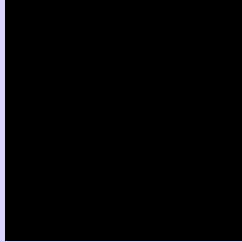
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.3670, 0.2897, 0.2838**

## Background



This preview shows how black text looks on a background with the Yxy color 69.3670, 0.2897, 0.2838.

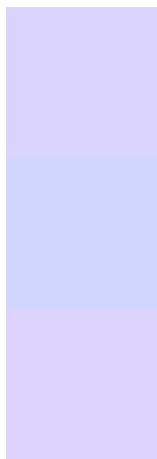


This preview shows how white text looks on a background with the Yxy color 69.3670, 0.2897, 0.2838.

# 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

69.3670, 0.2897, 0.2838

### Protanopia

69.3762, 0.2832, 0.2862

### Deuteranopia

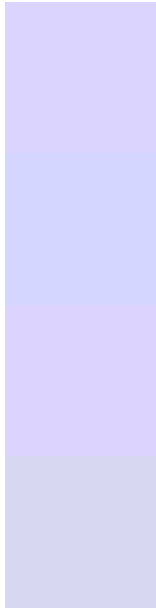
69.5226, 0.2903, 0.2839



## Tritanopia

69.4420, 0.3008, 0.3105

# Trichromacy



## Original Color

69.3670, 0.2897, 0.2838

## Protanomaly

69.4593, 0.2858, 0.2854

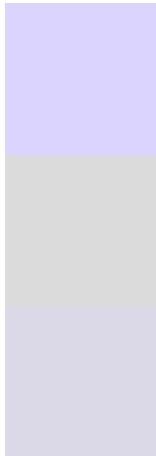
## Deuteranomaly

69.5226, 0.2903, 0.2839

## Tritanomaly

69.5507, 0.2964, 0.3010

# Monochromacy



## Original Color

69.3670, 0.2897, 0.2838

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

69.9980, 0.3043, 0.3117

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.3670, 0.2897, 0.2838 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, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 212, 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, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 212, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 69.3670, 0.2897, 0.2838 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, 212, 255) }
```

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

```
.border{ border-color:rgb(219, 212, 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, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 212,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.3670, 0.2897, 0.2838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 212, 255) }
```

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

```
.background{ background-color: rgb(219,  
212, 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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