

# Converting Colors

$Yxy(69.7353, 0.2904, 0.2957)$

Have a look what the booklet for  
Yxy(69.7353, 0.2904, 0.2957)  
contains.

<b>Yxy(69.8242, 0.2900, 0.2956)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(69.8242, 0.2900, 0.2956)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4D8F7
RGB	212, 216, 247
RGB Percent	83%, 85%, 97%
CMY	0.1686, 0.1529, 0.0313
CMYK	0.14, 0.13, 0.00, 0.03
HSL	233°, 69%, 90%
HSV	233°, 14%, 97%
XYZ	68.5014, 69.8242, 97.8862
YIQ	218.3380, -12.3350, 8.7930

# Conversions

## Conversions Part 2

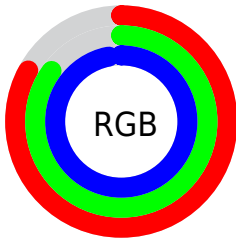
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 216, 247
Decimal	13949175
CIE Lab	86.91, 4.71, -15.59
CIE LCh	87, 16.290, 286.799
Yxy	69.8242, 0.2900, 0.2956
Android (android.graphics.Color)	4292139255 (0xFFD4D8F7)
YUV	218.3380, 14.1304, -5.5584
Hunter-Lab	83.5609, 0.0989, -10.9618

# Details

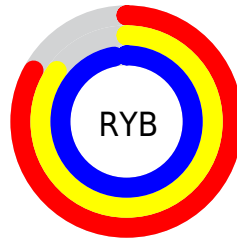
The Yxy color **69.8242, 0.2900, 0.2956** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **88.6612, 0.3346, 0.3603**, and the grayscale version is **70.2670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.4194, 0.2841, 0.2870** is the 20% darker color. If you saturate the color by 10%, you get **55.9526, 0.2719, 0.2684**, and if you desaturate by 10%, it is **85.7575, 0.3064, 0.3198**.

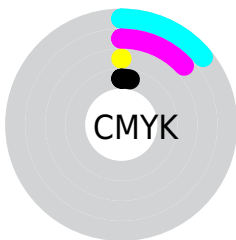
# Distribution



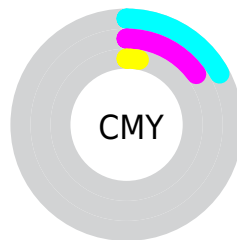
- Red (83%)
- Green (85%)
- Blue (97%)



- Red (83%)
- Yellow (85%)
- Blue (97%)



- Cyan (14%)
- Magenta (13%)
- Yellow (0%)
- Black (3%)



- Cyan (17%)
- Magenta (15%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8242, 0.2900, 0.2956 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 69.8242, 0.2900, 0.2956 by changing the saturation by 10% instead.



■ 69.8242, 0.2900,  
0.2956

■ 69.8242, 0.2900,  
0.2956

459.9325, 0.3006,  
0.3109

■ 51.3832, 0.2876,  
0.2921

118.9580, 0.2937,  
0.3009

■ 36.5137, 0.2846,  
0.2879

150.4197, 0.2951,  
0.3030

■ 24.8312, 0.2807,  
0.2825

186.9903, 0.2963,  
0.3048

■ 15.9513, 0.2757,  
0.2755

229.0544, 0.2974,  
0.3063

■ 9.4897, 0.2689,  
0.2661

276.9962, 0.2984,  
0.3077

■ 5.0620, 0.2590,  
0.2527

331.2002, 0.2992,

■ 2.2837, 0.2435,

0.3089

0.2323

392.0509, 0.2999,  
0.3100

0.7650, 0.2168,  
0.1970

0.0000, 0.0000,  
0.0000

69.8242, 0.2900,  
0.2956

69.8242, 0.2900,  
0.2956

55.9526, 0.2719,  
0.2684

85.7575, 0.3064,  
0.3198

44.0500, 0.2523,  
0.2385

99.4973, 0.3173,  
0.3366

34.0292, 0.2319,  
0.2065

25.7934, 0.2114,  
0.1736

■ 19.2370, 0.1922,  
0.1418

■ 14.2430, 0.1756,  
0.1131

■ 10.6792, 0.1628,  
0.0896

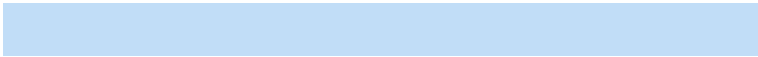
■ 8.3908, 0.1547,  
0.0731

■ 7.5536, 0.1519,  
0.0666

# Harmonies

## Analogous

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



69.8242, 0.2779, 0.2999



69.8242, 0.2900, 0.2956



69.8242, 0.3084, 0.2997

# Triad

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



69.8242, 0.2900, 0.2956



69.8242, 0.3521, 0.3438



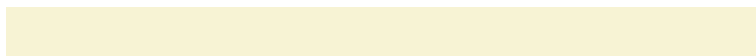
69.8242, 0.2965, 0.3480

# Complementary

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



69.8242, 0.2900, 0.2956



88.6612, 0.3346, 0.3603

# 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.



69.8242, 0.3160, 0.3607



69.8242, 0.2900, 0.2956



69.8242, 0.3485, 0.3576

# Square

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



69.8242, 0.2900, 0.2956



69.8242, 0.3447, 0.3269



69.8242, 0.3351, 0.3641



69.8242, 0.2816, 0.3299



# Rectangle

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



69.8242, 0.2900, 0.2956



69.8242, 0.3220, 0.3066



69.8242, 0.3351, 0.3641



69.8242, 0.3027, 0.3531

# Sweetspot

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



69.8271, 0.2900, 0.2956



92.4844, 0.3067, 0.3202



87.0067, 0.2933, 0.3332



19.5018, 0.3055, 0.3185



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.



69.8271, 0.2900, 0.2956



70.5771, 0.2850, 0.2881



69.8879, 0.2991, 0.2922



16.2304, 0.2979, 0.3073



4.0950, 0.1523, 0.0681



0.4571, 0.1567, 0.0840



# Inverse Universe

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



71.8304, 0.3362, 0.3249



73.1603, 0.3418, 0.3241



88.7201, 0.3250, 0.3652



16.5132, 0.3276, 0.3263



10.5128, 0.6263, 0.3224

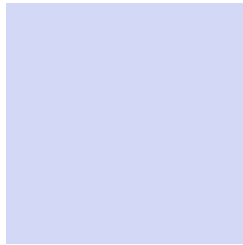


0.9338, 0.6006, 0.3082



# Previews

## White Background



This preview shows how the Yxy color 69.8242, 0.2900, 0.2956 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

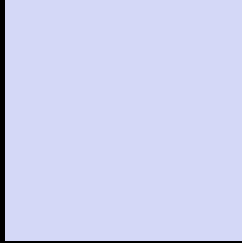
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.8242, 0.2900, 0.2956 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

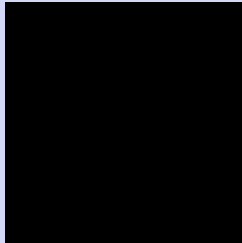
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.8242, 0.2900, 0.2956**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8242, 0.2900, 0.2956.

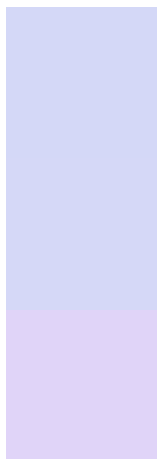


This preview shows how white text looks on a background with the Yxy color 69.8242, 0.2900, 0.2956.

# 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

69.8242, 0.2900, 0.2956

### Protanopia

69.9733, 0.2907, 0.2957

### Deuteranopia

69.7116, 0.2975, 0.2911



## Tritanopia

69.8426, 0.2961, 0.3103

# Trichromacy



## Original Color

69.8242, 0.2900, 0.2956

## Protanomaly

69.9733, 0.2907, 0.2957

## Deuteranomaly

69.5815, 0.2947, 0.2919

## Tritanomaly

69.7066, 0.2943, 0.3050

# Monochromacy



## Original Color

69.8242, 0.2900, 0.2956

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

69.8818, 0.3041, 0.3159

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8242, 0.2900, 0.2956 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(212, 216, 247)` looks like.

```
.text, #text, p{  
    color:rgb(212, 216, 247)  
}
```

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(212, 216, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 216, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8242, 0.2900, 0.2956 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(212, 216, 247) }
```

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

```
.border{ border-color:rgb(212, 216, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 216, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 216, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 216, 247);  
box-shadow:4px 4px 4px 4px rgb(212, 216,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8242, 0.2900, 0.2956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 216, 247) }
```

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

```
.background{ background-color: rgb(212,  
216, 247) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor