

# Converting Colors

$Yxy(64.2074, 0.2889, 0.2894)$

Have a look what the booklet for  
Yxy(64.2074, 0.2889, 0.2894)  
contains.

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# Color

**Yxy(64.3621, 0.2887, 0.2894)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFCFF3
RGB	207, 207, 243
RGB Percent	81%, 81%, 95%
CMY	0.1885, 0.1881, 0.0471
CMYK	0.15, 0.15, 0.00, 0.05
HSL	240°, 60%, 88%
HSV	240°, 15%, 95%
XYZ	64.2064, 64.3621, 93.8299
YIQ	211.1040, -11.5560, 11.1960

# Conversions

## Conversions Part 2

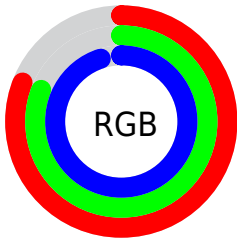
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 207, 243
Decimal	13619187
CIE Lab	84.15, 7.02, -17.64
CIE LCh	84, 18.988, 291.691
Yxy	64.3621, 0.2887, 0.2894
Android (android.graphics.Color)	4291809267 (0xFFCFCFF3)
YUV	211.1040, 15.7247, -3.5992
Hunter-Lab	80.2260, 2.4615, -13.1856

# Details

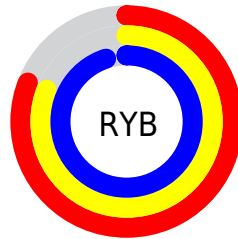
The Yxy color **64.3621, 0.2887, 0.2894** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.5947, 0.3350, 0.3658**, and the grayscale version is **65.1086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.0457, 0.2823, 0.2801** is the 20% darker color. If you saturate the color by 10%, you get **50.2753, 0.2699, 0.2585**, and if you desaturate by 10%, it is **80.7946, 0.3054, 0.3169**.

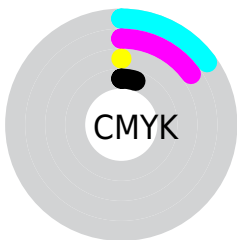
# Distribution



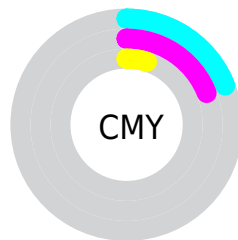
- Red (81%)
- Green (81%)
- Blue (95%)



- Red (81%)
- Yellow (81%)
- Blue (95%)



- Cyan (15%)
- Magenta (15%)
- Yellow (0%)
- Black (5%)



- Cyan (19%)
- Magenta (19%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3621, 0.2887, 0.2894 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 64.3621, 0.2887, 0.2894 by changing the saturation by 10% instead.



■ 64.3621, 0.2887,  
0.2894

■ 64.3621, 0.2887,  
0.2894

440.4961, 0.3001,  
0.3078

■ 46.9440, 0.2860,  
0.2852

111.1323, 0.2927,  
0.2958

■ 32.9914, 0.2827,  
0.2800

141.2531, 0.2942,  
0.2982

■ 22.1199, 0.2785,  
0.2735

176.3770, 0.2956,  
0.3004

■ 13.9450, 0.2728,  
0.2650

216.8884, 0.2967,  
0.3022

■ 8.0824, 0.2651,  
0.2534

263.1716, 0.2977,  
0.3039

■ 4.1477, 0.2536,  
0.2368

315.6110, 0.2986,

■ 1.7565, 0.2353,

0.3053

0.2115

374.5910, 0.2994,  
0.3066

0.4599, 0.2011,  
0.1520

0.0000, 0.0000,  
0.0000

64.3621, 0.2887,  
0.2894

64.3621, 0.2887,  
0.2894

50.2753, 0.2699,  
0.2585

80.7946, 0.3054,  
0.3169

38.4199, 0.2494,  
0.2246

99.2509, 0.3197,  
0.3405

28.6838, 0.2279,  
0.1890

20.9421, 0.2064,  
0.1535

■ 15.0570, 0.1865,  
0.1206

■ 10.8730, 0.1700,  
0.0933

■ 8.2096, 0.1583,  
0.0738

■ 6.8453, 0.1518,  
0.0630

■ 6.4857, 0.1501,  
0.0601

# Harmonies

## Analogous

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



64.3621, 0.2729, 0.2927



64.3621, 0.2887, 0.2894



64.3621, 0.3114, 0.2959

# Triad

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



64.3621, 0.2887, 0.2894



64.3621, 0.3601, 0.3495



64.3621, 0.2898, 0.3485

# Complementary

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



64.3621, 0.2887, 0.2894



87.5947, 0.3350, 0.3658

# 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.



64.3621, 0.3126, 0.3654



64.3621, 0.2887, 0.2894



64.3621, 0.3536, 0.3650

# Square

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



64.3621, 0.2887, 0.2894



64.3621, 0.3534, 0.3297



64.3621, 0.3360, 0.3713



64.3621, 0.2736, 0.3262



# Rectangle

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



64.3621, 0.2887, 0.2894



64.3621, 0.3276, 0.3049



64.3621, 0.3360, 0.3713



64.3621, 0.2970, 0.3551

# Sweetspot

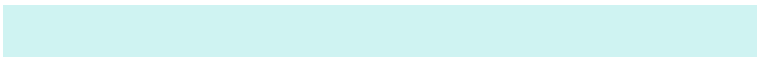
The Sweet Spot groups the original color and five complimentary colors.



64.3648, 0.2887, 0.2894



91.7977, 0.3067, 0.3191



83.7890, 0.2905, 0.3296



19.3289, 0.3055, 0.3171



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.



64.3648, 0.2887, 0.2894



66.5031, 0.2829, 0.2799



66.9660, 0.3009, 0.2907



15.9342, 0.2979, 0.3046



3.5629, 0.1501, 0.0602



0.3157, 0.1502, 0.0606



# Inverse Universe

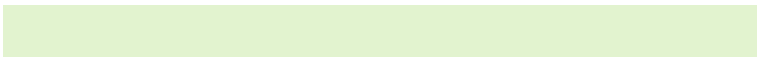
The Inverse Universe completely reimagines the original color for something new.



68.1506, 0.3404, 0.3290



71.5248, 0.3477, 0.3290



84.6991, 0.3232, 0.3672



16.4833, 0.3293, 0.3290



10.4590, 0.6398, 0.3298

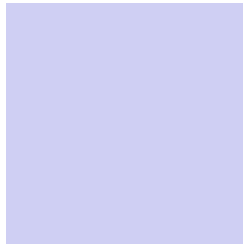


0.9195, 0.6390, 0.3294



# Previews

## White Background



This preview shows how the Yxy color 64.3621, 0.2887, 0.2894 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

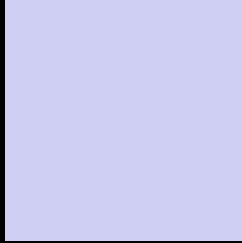
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.3621, 0.2887, 0.2894 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

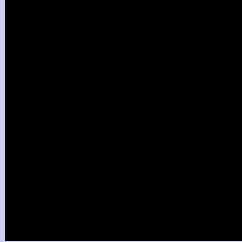
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.3621, 0.2887, 0.2894**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.3621, 0.2887, 0.2894.



This preview shows how white text looks on a background with the Yxy color 64.3621, 0.2887, 0.2894.

# 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

64.3621, 0.2887, 0.2894

### Protanopia

64.3399, 0.2854, 0.2892

### Deuteranopia

64.4298, 0.2936, 0.2877



## Tritanopia

64.4215, 0.2976, 0.3109

# Trichromacy



## Original Color

64.3621, 0.2887, 0.2894

## Protanomaly

64.4808, 0.2861, 0.2892

## Deuteranomaly

64.4626, 0.2915, 0.2886

## Tritanomaly

64.4063, 0.2944, 0.3032

# Monochromacy



## Original Color

64.3621, 0.2887, 0.2894

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

65.1225, 0.3039, 0.3144

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.3621, 0.2887, 0.2894 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(207, 207, 243)` looks like.

```
.text, #text, p{  
    color:rgb(207, 207, 243)  
}
```

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(207, 207, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 207, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 64.3621, 0.2887, 0.2894 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(207, 207, 243) }
```

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

```
.border{ border-color:rgb(207, 207, 243) }
```

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

Here you see how a box with a 4 pixel rgb(207, 207, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 207, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 207, 243);  
box-shadow:4px 4px 4px 4px rgb(207, 207,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.3621, 0.2887, 0.2894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 207, 243) }
```

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

```
.background{ background-color: rgb(207,  
207, 243) }
```

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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