

# Converting Colors

$Yxy(63.2199, 0.2807, 0.2763)$

Have a look what the booklet for  
Yxy(63.2199, 0.2807, 0.2763)  
contains.

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# Color

**Yxy(63.1149, 0.2804, 0.2755)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4CCFD
RGB	204, 204, 253
RGB Percent	80%, 80%, 99%
CMY	0.1998, 0.2001, 0.0078
CMYK	0.19, 0.19, 0.00, 0.01
HSL	240°, 93%, 90%
HSV	240°, 19%, 99%
XYZ	64.2375, 63.1149, 101.7398
YIQ	209.5860, -15.7290, 15.2390

# Conversions

## Conversions Part 2

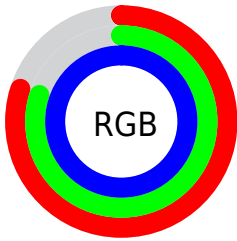
Format	Color
R <sub>Y</sub> B	204, 204, 253
Decimal	13421821
CIE Lab	83.50, 9.90, -23.97
CIE LCh	84, 25.933, 292.431
Yxy	63.1149, 0.2804, 0.2755
Android (android.graphics.Color)	4291611901 (0xFFCCCCFD)
YUV	209.5860, 21.4031, -4.8989
Hunter-Lab	79.4449, 5.3028, -20.3174

# Details

The Yxy color **63.1149, 0.2804, 0.2755** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **95.4943, 0.3420, 0.3774**, and the grayscale version is **64.0350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.1878, 0.2724, 0.2635** is the 20% darker color. If you saturate the color by 10%, you get **48.7656, 0.2608, 0.2430**, and if you desaturate by 10%, it is **80.0022, 0.2981, 0.3048**.

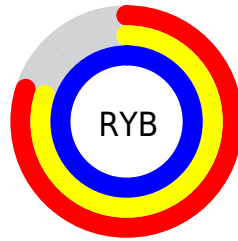
# Distribution



Red (80%)

Green (80%)

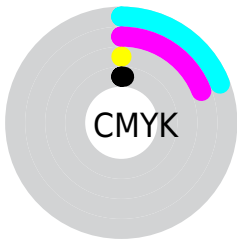
Blue (99%)



Red (80%)

Yellow (80%)

Blue (99%)

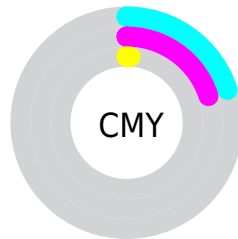


Cyan (19%)

Magenta (19%)

Yellow (0%)

Black (1%)



Cyan (20%)

Magenta (20%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.1149, 0.2804, 0.2755 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 63.1149, 0.2804, 0.2755 by changing the saturation by 10% instead.



■ 63.1149, 0.2804,  
0.2755

■ 63.1149, 0.2804,  
0.2755

435.9864, 0.2958,  
0.3001

■ 45.9342, 0.2768,  
0.2699

109.3353, 0.2858,  
0.2840

■ 32.1939, 0.2724,  
0.2631

139.1437, 0.2879,  
0.2873

■ 21.5096, 0.2667,  
0.2545

173.9301, 0.2897,  
0.2902

■ 13.4970, 0.2591,  
0.2434

214.0790, 0.2912,  
0.2927

■ 7.7717, 0.2488,  
0.2285

259.9746, 0.2926,  
0.2949

■ 3.9492, 0.2338,  
0.2076

312.0015, 0.2937,

■ 1.6452, 0.2103,

0.2968

0.1768

370.5439, 0.2948,  
0.2986

0.3878, 0.1696,  
0.1078

0.0000, 0.0000,  
0.0000

63.1149, 0.2804,  
0.2755

63.1149, 0.2804,  
0.2755

48.7656, 0.2608,  
0.2430

80.0022, 0.2981,  
0.3048

36.8244, 0.2396,  
0.2080

99.5335, 0.3136,  
0.3305

27.1617, 0.2178,  
0.1720

99.8730, 0.3139,  
0.3309

19.6327, 0.1968,  
0.1373

■ 14.0760, 0.1783,  
0.1066

■ 10.3071, 0.1638,  
0.0827

■ 8.1068, 0.1545,  
0.0674

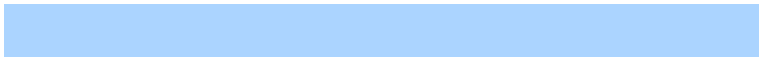
■ 7.1396, 0.1502,  
0.0604

■ 7.0954, 0.1500,  
0.0600

# Harmonies

## Analogous

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



63.1149, 0.2590, 0.2791



63.1149, 0.2804, 0.2755



63.1149, 0.3114, 0.2847

# Triad

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



63.1149, 0.2804, 0.2755



63.1149, 0.3781, 0.3569



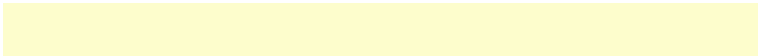
63.1149, 0.2805, 0.3553

# Complementary

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



63.1149, 0.2804, 0.2755



95.4943, 0.3420, 0.3774

# 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.



63.1149, 0.3113, 0.3795



63.1149, 0.2804, 0.2755



63.1149, 0.3684, 0.3784

# Square

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



63.1149, 0.2804, 0.2755



63.1149, 0.3693, 0.3300



63.1149, 0.3436, 0.3877



63.1149, 0.2590, 0.3238



# Rectangle

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



63.1149, 0.2804, 0.2755



63.1149, 0.3337, 0.2968



63.1149, 0.3436, 0.3877



63.1149, 0.2901, 0.3647

# Sweetspot

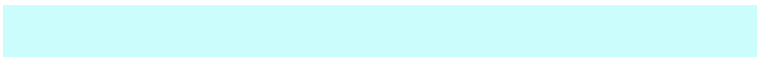
The Sweet Spot groups the original color and five complimentary colors.



63.1175, 0.2804, 0.2755



87.8403, 0.3036, 0.3138



90.1908, 0.2836, 0.3289



18.5309, 0.3025, 0.3121



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.



63.1175, 0.2804, 0.2755



58.6520, 0.2735, 0.2640



66.8484, 0.2973, 0.2781



17.3790, 0.2979, 0.3044



3.7744, 0.1501, 0.0600



0.3679, 0.1502, 0.0601



# Inverse Universe

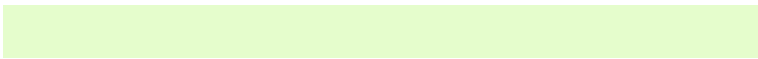
The Inverse Universe completely reimagines the original color for something new.



71.1538, 0.3150, 0.2808



68.1125, 0.3155, 0.2717



91.1976, 0.3258, 0.3800



18.2999, 0.3138, 0.3056



14.8693, 0.3213, 0.1544

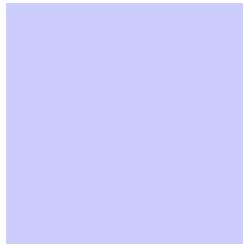


1.4479, 0.3212, 0.1543



# Previews

## White Background



This preview shows how the Yxy color 63.1149, 0.2804, 0.2755 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

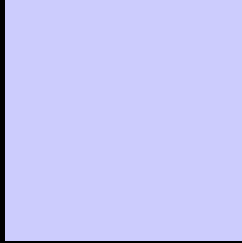
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.1149, 0.2804, 0.2755 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

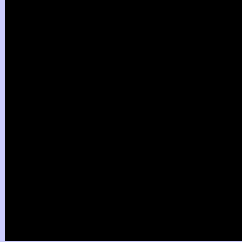
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.1149, 0.2804, 0.2755**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.1149, 0.2804, 0.2755.

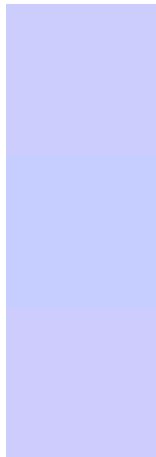


This preview shows how white text looks on a background with the Yxy color 63.1149, 0.2804, 0.2755.

# 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

63.1149, 0.2804, 0.2755

### Protanopia

63.1687, 0.2753, 0.2761

### Deuteranopia

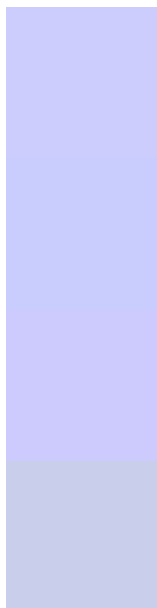
62.9255, 0.2817, 0.2746



## Tritanopia

63.1793, 0.2947, 0.3106

# Trichromacy



## Original Color

63.1149, 0.2804, 0.2755

## Protanomaly

63.0978, 0.2772, 0.2753

## Deuteranomaly

62.7829, 0.2810, 0.2745

## Tritanomaly

63.0413, 0.2896, 0.2974

# Monochromacy



## Original Color

63.1149, 0.2804, 0.2755

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

64.0126, 0.3005, 0.3087

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.1149, 0.2804, 0.2755 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(204, 204, 253)` looks like.

```
.text, #text, p{  
    color:rgb(204, 204, 253)  
}
```

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(204, 204, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 204, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 63.1149, 0.2804, 0.2755 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(204, 204, 253) }
```

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

```
.border{ border-color:rgb(204, 204, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 204, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 204, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 204, 253);  
box-shadow:4px 4px 4px 4px rgb(204, 204,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.1149, 0.2804, 0.2755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 204, 253) }
```

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

```
.background{ background-color: rgb(204,  
204, 253) }
```

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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