

# Converting Colors

$Yxy(64.0658, 0.2767, 0.2778)$

Have a look what the booklet for  
Yxy(64.0658, 0.2767, 0.2778)  
contains.

<b>Yxy(63.9235, 0.2767, 0.2774)</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(63.9235, 0.2767, 0.2774)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7CFFE
RGB	199, 207, 254
RGB Percent	78%, 81%, 100%
CMY	0.2195, 0.1883, 0.0039
CMYK	0.22, 0.19, 0.00, 0.00
HSL	231°, 97%, 89%
HSV	231°, 22%, 100%
XYZ	63.7622, 63.9235, 102.7523
YIQ	209.9660, -19.8550, 12.9210

# Conversions

## Conversions Part 2

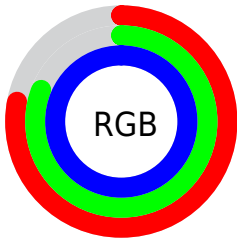
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	199, 206, 254
Decimal	13094910
CIE Lab	83.93, 6.99, -23.89
CIE LCh	84, 24.888, 286.303
Yxy	63.9235, 0.2767, 0.2774
Android (android.graphics.Color)	4291284990 (0xFFC7CFFE)
YUV	209.9660, 21.7088, -9.6172
Hunter-Lab	79.9522, 2.4382, -20.2313

# Details

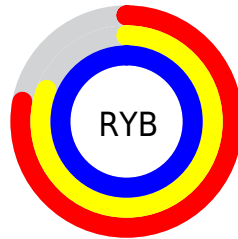
The Yxy color **63.9235, 0.2767, 0.2774** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **91.1381, 0.3470, 0.3758**, and the grayscale version is **64.2945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.7430, 0.2678, 0.2659** is the 20% darker color. If you saturate the color by 10%, you get **50.9252, 0.2577, 0.2491**, and if you desaturate by 10%, it is **78.9549, 0.2943, 0.3029**.

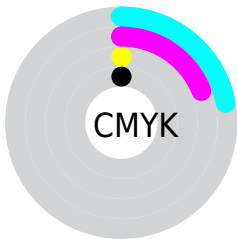
# Distribution



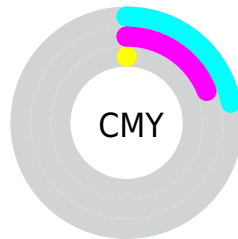
- Red (78%)
- Green (81%)
- Blue (100%)



- Red (78%)
- Yellow (81%)
- Blue (100%)



- Cyan (22%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (19%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.9235, 0.2767, 0.2774 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 63.9235, 0.2767, 0.2774 by changing the saturation by 10% instead.



■ 63.9235, 0.2767,  
0.2774

■ 63.9235, 0.2767,  
0.2774

438.9133, 0.2937,  
0.3012

■ 46.5887, 0.2728,  
0.2720

110.5008, 0.2826,  
0.2856

■ 32.7106, 0.2679,  
0.2654

140.5120, 0.2849,  
0.2888

■ 21.9049, 0.2617,  
0.2570

175.5176, 0.2869,  
0.2916

■ 13.7870, 0.2535,  
0.2462

215.9018, 0.2886,  
0.2940

■ 7.9727, 0.2424,  
0.2317

262.0491, 0.2901,  
0.2961

■ 4.0775, 0.2263,  
0.2113

314.3438, 0.2914,

■ 1.7170, 0.2016,

0.2980

0.1811

373.1705, 0.2926,  
0.2997

0.4346, 0.1574,  
0.1172

0.0000, 0.0000,  
0.0000

63.9235, 0.2767,  
0.2774

63.9235, 0.2767,  
0.2774

50.9252, 0.2577,  
0.2491

78.9549, 0.2943,  
0.3029

39.8645, 0.2376,  
0.2186

96.0936, 0.3103,  
0.3256

30.6503, 0.2174,  
0.1867

99.9365, 0.3133,  
0.3299

23.1805, 0.1980,  
0.1551

■ 17.3432, 0.1808,  
0.1256

■ 13.0130, 0.1670,  
0.1002

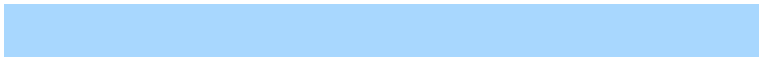
■ 10.0454, 0.1574,  
0.0808

■ 8.4669, 0.1527,  
0.0697

# Harmonies

## Analogous

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



63.9235, 0.2586, 0.2836



63.9235, 0.2767, 0.2774



63.9235, 0.3050, 0.2838

# Triad

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



63.9235, 0.2767, 0.2774



63.9235, 0.3749, 0.3508



63.9235, 0.2875, 0.3597

# Complementary

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



63.9235, 0.2767, 0.2774



91.1381, 0.3470, 0.3758

# 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.



63.9235, 0.3179, 0.3801



63.9235, 0.2767, 0.2774



63.9235, 0.3692, 0.3729

# Square

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



63.9235, 0.2767, 0.2774



63.9235, 0.3629, 0.3248



63.9235, 0.3480, 0.3845



63.9235, 0.2645, 0.3303



# Rectangle

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



63.9235, 0.2767, 0.2774



63.9235, 0.3264, 0.2942



63.9235, 0.3480, 0.3845



63.9235, 0.2971, 0.3680

# Sweetspot

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



63.9261, 0.2767, 0.2774



89.1473, 0.3035, 0.3161



89.6765, 0.2847, 0.3376



18.8385, 0.3025, 0.3146



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.



63.9261, 0.2767, 0.2774



58.5278, 0.2686, 0.2654



62.9652, 0.2893, 0.2706



17.8021, 0.2979, 0.3080



4.5891, 0.1532, 0.0714



0.5678, 0.1578, 0.0880



# Inverse Universe

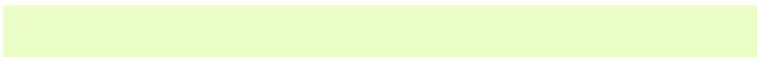
The Inverse Universe completely reimagines the original color for something new.



66.4387, 0.3505, 0.3209



61.6175, 0.3605, 0.3192



92.6386, 0.3327, 0.3855



18.0299, 0.3271, 0.3256



11.1912, 0.6209, 0.3194

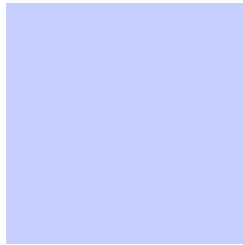


1.1019, 0.5944, 0.3048



# Previews

## White Background



This preview shows how the Yxy color 63.9235, 0.2767, 0.2774 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

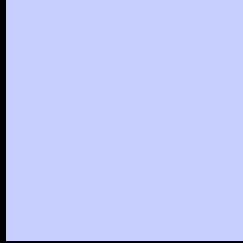
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.9235, 0.2767, 0.2774 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

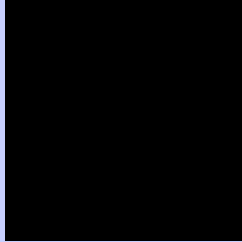
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.9235, 0.2767, 0.2774**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.9235, 0.2767, 0.2774.



This preview shows how white text looks on a background with the Yxy color 63.9235, 0.2767, 0.2774.

# 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

63.9235, 0.2767, 0.2774

### Protanopia

63.9235, 0.2767, 0.2774

### Deuteranopia

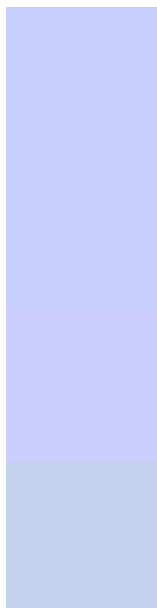
64.1480, 0.2812, 0.2750



## Tritanopia

63.6593, 0.2894, 0.3094

# Trichromacy



## Original Color

63.9235, 0.2767, 0.2774

## Protanomaly

63.9235, 0.2767, 0.2774

## Deuteranomaly

64.2000, 0.2793, 0.2758

## Tritanomaly

63.9434, 0.2851, 0.2984

# Monochromacy



## Original Color

63.9235, 0.2767, 0.2774

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

64.2137, 0.2990, 0.3098

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.9235, 0.2767, 0.2774 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(199, 207, 254)` looks like.

```
.text, #text, p{  
    color:rgb(199, 207, 254)  
}
```

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(199, 207, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 207, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 63.9235, 0.2767, 0.2774 is called "border". The border property can be set on classes, ids or directly on the HTML element.

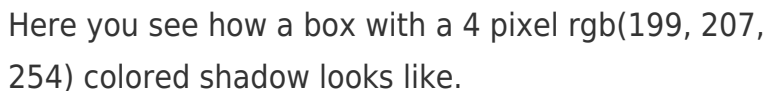
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 207, 254) }
```

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

```
.border{ border-color:rgb(199, 207, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(199, 207, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 207, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 207, 254); box-shadow:4px 4px 4px 4px rgb(199, 207, 254) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.9235, 0.2767, 0.2774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 207, 254) }
```

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

```
.background{ background-color: rgb(199,  
207, 254) }
```

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