

# Converting Colors

$Yxy(50.8733, 0.2709, 0.2435)$

Have a look what the booklet for  
Yxy(50.8733, 0.2709, 0.2435)  
contains.

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# Color

**Yxy(51.0623, 0.2709, 0.2441)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3B3FF
RGB	195, 179, 255
RGB Percent	76%, 70%, 100%
CMY	0.2354, 0.2980, 0.0001
CMYK	0.24, 0.30, 0.00, 0.00
HSL	253°, 100%, 85%
HSV	253°, 30%, 100%
XYZ	56.6685, 51.0623, 101.4552
YIQ	192.4480, -14.8600, 27.0280

# Conversions

## Conversions Part 2

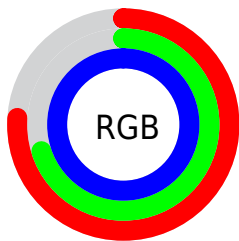
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	195, 179, 255
Decimal	12825599
CIE <sub>Lab</sub>	76.72, 21.19, -35.49
CIE <sub>LCh</sub>	77, 41.331, 300.838
Yxy	51.0623, 0.2709, 0.2441
Android (android.graphics.Color)	4291015679 (0xFFC3B3FF)
YUV	192.4480, 30.8381, 2.2381
Hunter-Lab	71.4579, 16.5051, -34.1588

# Details

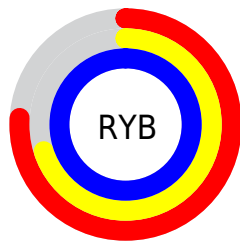
The Yxy color **51.0623, 0.2709, 0.2441** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **93.1115, 0.3471, 0.4065**, and the grayscale version is **52.8103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5193, 0.3123, 0.3097**, and **24.5744, 0.2595, 0.2240** is the 20% darker color. If you saturate the color by 10%, you get **39.2666, 0.2534, 0.2110**, and if you desaturate by 10%, it is **65.1134, 0.2868, 0.2753**.

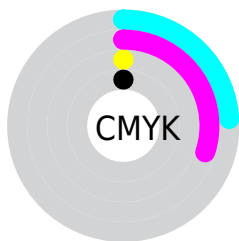
# Distribution



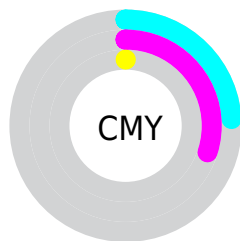
- Red (76%)
- Green (70%)
- Blue (100%)



- Red (76%)
- Yellow (70%)
- Blue (100%)



- Cyan (24%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)




- Cyan (24%)
- Magenta (30%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0623, 0.2709, 0.2441 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 51.0623, 0.2709, 0.2441 by changing the saturation by 10% instead.





 51.0623, 0.2709,  
0.2441

 51.0623, 0.2709,  
0.2441

390.8058, 0.2917,  
0.2834

 36.2582, 0.2659,  
0.2352

 91.7469, 0.2783,  
0.2577

 24.6337, 0.2595,  
0.2244

118.3961, 0.2812,  
0.2629

 15.8043, 0.2513,  
0.2108


149.7625, 0.2836,  
0.2675

 9.3858, 0.2403,  
0.1935

186.2305, 0.2856,  
0.2715

 4.9937, 0.2248,  
0.1706

228.1844, 0.2874,  
0.2750

 2.2436, 0.2022,  
0.1398

276.0086, 0.2890,

 0.7436, 0.1670,

0.2781

0.0967

330.0876, 0.2904,  
0.2809

0.0000, 0.0625,  
0.0000

0.0000, 0.0000,  
0.0000

51.0623, 0.2709,  
0.2441

51.0623, 0.2709,  
0.2441

39.2666, 0.2534,  
0.2110

65.1134, 0.2868,  
0.2753

29.6015, 0.2348,  
0.1772

81.5237, 0.3008,  
0.3039

21.9394, 0.2159,  
0.1445

99.9984, 0.3127,  
0.3290

16.1360, 0.1977,  
0.1152

■ 12.0276, 0.1816,  
0.0914

■ 9.4205, 0.1687,  
0.0748

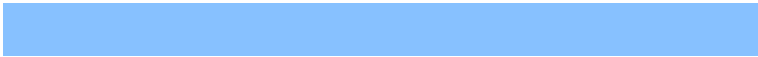
■ 8.0147, 0.1595,  
0.0653

■ 7.9916, 0.1594,  
0.0652

# Harmonies

## Analogous

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



51.0623, 0.2315, 0.2424



51.0623, 0.2709, 0.2441



51.0623, 0.3254, 0.2641

# Triad

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



51.0623, 0.2709, 0.2441



51.0623, 0.4226, 0.3836



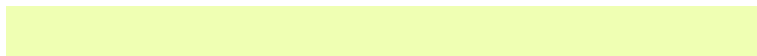
51.0623, 0.2459, 0.3589

# Complementary

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



51.0623, 0.2709, 0.2441



93.1115, 0.3471, 0.4065

# 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.



51.0623, 0.2929, 0.4094



51.0623, 0.2709, 0.2441



51.0623, 0.3959, 0.4184

# Square

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



51.0623, 0.2709, 0.2441



51.0623, 0.4176, 0.3404



51.0623, 0.3479, 0.4310



51.0623, 0.2179, 0.3030



# Rectangle

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



51.0623, 0.2709, 0.2441



51.0623, 0.3634, 0.2856



51.0623, 0.3479, 0.4310



51.0623, 0.2599, 0.3777

# Sweetspot

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



51.0643, 0.2709, 0.2441



82.9443, 0.3018, 0.3060



78.9965, 0.2677, 0.3122



17.2040, 0.2999, 0.3021



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.



51.0643, 0.2709, 0.2441



43.4912, 0.2602, 0.2237



56.6517, 0.2985, 0.2505



17.5617, 0.3011, 0.3046



4.2278, 0.1605, 0.0658



0.4560, 0.1706, 0.0714



# Inverse Universe

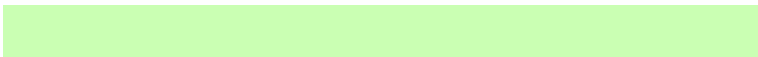
The Inverse Universe completely reimagines the original color for something new.



59.7339, 0.3285, 0.2690



53.5643, 0.3326, 0.2565



87.2886, 0.3226, 0.4129



18.2311, 0.3170, 0.3104



13.3447, 0.3826, 0.1881



1.3149, 0.3742, 0.1835



# Previews

## White Background



This preview shows how the Yxy color 51.0623, 0.2709, 0.2441 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

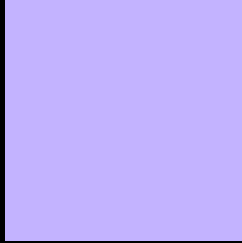
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.0623, 0.2709, 0.2441 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

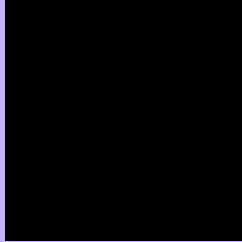
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.0623, 0.2709, 0.2441**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.0623, 0.2709, 0.2441.

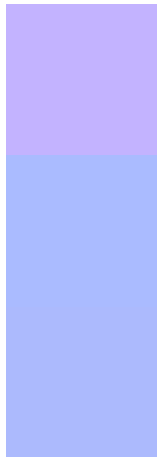


This preview shows how white text looks on a background with the Yxy color 51.0623, 0.2709, 0.2441.

# 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

51.0623, 0.2709, 0.2441

### Protanopia

51.3067, 0.2550, 0.2497

### Deuteranopia

50.9803, 0.2573, 0.2508



## Tritanopia

51.0691, 0.2984, 0.3103

# Trichromacy



## Original Color

51.0623, 0.2709, 0.2441

## Protanomaly

51.0847, 0.2604, 0.2474

## Deuteranomaly

50.7260, 0.2616, 0.2473

## Tritanomaly

50.8445, 0.2879, 0.2834

# Monochromacy



## Original Color

51.0623, 0.2709, 0.2441

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

51.7844, 0.2967, 0.2953

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.0623, 0.2709, 0.2441 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(195, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 179, 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(195, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 179, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 51.0623, 0.2709, 0.2441 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(195, 179, 255) }
```

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

```
.border{ border-color:rgb(195, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(195, 179,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.0623, 0.2709, 0.2441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 179, 255) }
```

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

```
.background{ background-color: rgb(195,  
179, 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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