

# Converting Colors

$Y_{xy}(55.5900, 0.2804, 0.2632)$

Have a look what the booklet for  
Yxy(55.5900, 0.2804, 0.2632)  
contains.

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# Color

**Yxy(55.5900, 0.2804, 0.2632)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9BDF8
RGB	201, 189, 248
RGB Percent	79%, 74%, 97%
CMY	0.2118, 0.2588, 0.0275
CMYK	0.19, 0.24, 0.00, 0.03
HSL	252°, 81%, 86%
HSV	252°, 24%, 97%
XYZ	59.2228, 55.5900, 96.3954
YIQ	199.3140, -11.7870, 20.8930

# Conversions

## Conversions Part 2

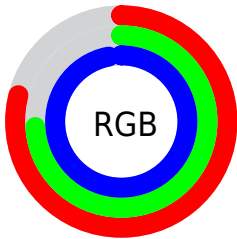
Format	Color
R <sub>Y</sub> B	201, 189, 248
Decimal	13221368
CIE Lab	79.38, 15.94, -27.59
CIE LCh	79, 31.866, 300.010
Yxy	55.5900, 0.2804, 0.2632
Android (android.graphics.Color)	4291411448 (0xFFC9BDF8)
YUV	199.3140, 24.0022, 1.4786
Hunter-Lab	74.5587, 11.3067, -24.4637

# Details

The Yxy color **55.5900, 0.2804, 0.2632** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **88.6274, 0.3405, 0.3902**, and the grayscale version is **57.1714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7848, 0.3132, 0.3194**, and **27.4809, 0.2719, 0.2486** is the 20% darker color. If you saturate the color by 10%, you get **43.2551, 0.2638, 0.2311**, and if you desaturate by 10%, it is **70.1055, 0.2953, 0.2929**.

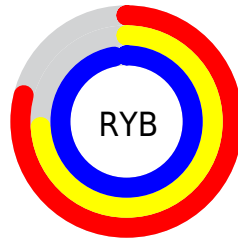
# Distribution



Red (79%)

Green (74%)

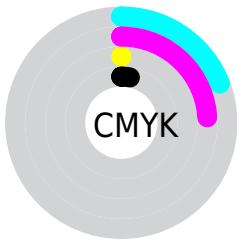
Blue (97%)



Red (79%)

Yellow (74%)

Blue (97%)

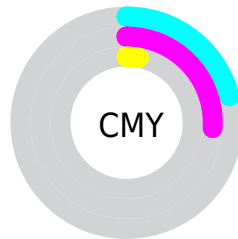


Cyan (19%)

Magenta (24%)

Yellow (0%)

Black (3%)



Cyan (21%)

Magenta (26%)


Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.5900, 0.2804, 0.2632 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 55.5900, 0.2804, 0.2632 by changing the saturation by 10% instead.




 55.5900, 0.2804,  
0.2632

 55.5900, 0.2804,  
0.2632


408.1445, 0.2962,  
0.2937

 39.8743, 0.2766,  
0.2562


 98.4049, 0.2861,  
0.2738

 27.4405, 0.2718,  
0.2477


126.2728, 0.2882,  
0.2779

 17.9044, 0.2656,  
0.2369


158.9603, 0.2900,  
0.2815

 10.8813, 0.2572,  
0.2229

196.8517, 0.2916,  
0.2846

 5.9871, 0.2455,  
0.2042

240.3314, 0.2930,  
0.2873

 2.8372, 0.2280,  
0.1781

289.7839, 0.2942,

 1.0474, 0.1999,

0.2897

0.1399

345.5935, 0.2953,  
0.2918

0.0000, 0.1306,  
0.0000

0.0000, 0.0000,  
0.0000

55.5900, 0.2804,  
0.2632

55.5900, 0.2804,  
0.2632

43.2551, 0.2638,  
0.2311

70.1055, 0.2953,  
0.2929

32.9880, 0.2457,  
0.1975

86.8937, 0.3083,  
0.3197

24.6758, 0.2267,  
0.1639

99.5558, 0.3168,  
0.3357

18.1920, 0.2079,  
0.1322

■ 13.3951, 0.1904,  
0.1048

■ 10.1219, 0.1754,  
0.0837

■ 8.1757, 0.1641,  
0.0701

■ 7.4636, 0.1589,  
0.0649

# Harmonies

## Analogous

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



55.5900, 0.2499, 0.2630



55.5900, 0.2804, 0.2632



55.5900, 0.3216, 0.2784

# Triad

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



55.5900, 0.2804, 0.2632



55.5900, 0.3956, 0.3714



55.5900, 0.2632, 0.3527

# Complementary

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



55.5900, 0.2804, 0.2632



88.6274, 0.3405, 0.3902

# 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.



55.5900, 0.2998, 0.3885



55.5900, 0.2804, 0.2632



55.5900, 0.3770, 0.3967

# Square

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



55.5900, 0.2804, 0.2632



55.5900, 0.3906, 0.3382



55.5900, 0.3415, 0.4046



55.5900, 0.2405, 0.3117



# Rectangle

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



55.5900, 0.2804, 0.2632



55.5900, 0.3499, 0.2952



55.5900, 0.3415, 0.4046



55.5900, 0.2742, 0.3661

# Sweetspot

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



55.5923, 0.2804, 0.2632



86.5367, 0.3043, 0.3113



77.6928, 0.2765, 0.3160



18.2863, 0.3035, 0.3097



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.



55.5923, 0.2804, 0.2632



52.0336, 0.2718, 0.2466



60.0466, 0.3020, 0.2672



16.8128, 0.3011, 0.3047



4.0796, 0.1600, 0.0655



0.4204, 0.1705, 0.0713



# Inverse Universe

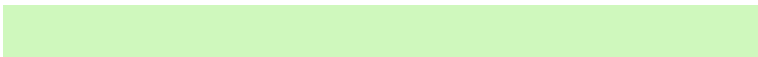
The Inverse Universe completely reimagines the original color for something new.



62.4084, 0.3244, 0.2810



60.6180, 0.3276, 0.2702



84.0173, 0.3208, 0.3941



17.4606, 0.3169, 0.3103



12.9943, 0.3802, 0.1868



1.2182, 0.3717, 0.1821



# Previews

## White Background



This preview shows how the Yxy color 55.5900, 0.2804, 0.2632 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

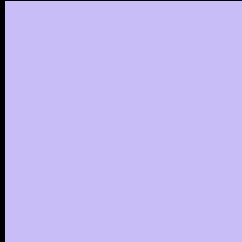
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.5900, 0.2804, 0.2632 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

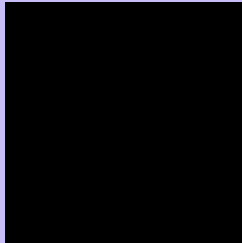
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.5900, 0.2804, 0.2632**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.5900, 0.2804, 0.2632.

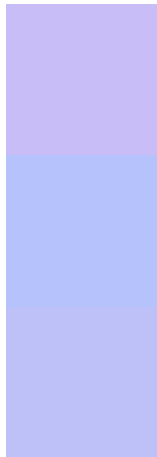


This preview shows how white text looks on a background with the Yxy color 55.5900, 0.2804, 0.2632.

# 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

55.5900, 0.2804, 0.2632

### Protanopia

55.5569, 0.2654, 0.2626

### Deuteranopia

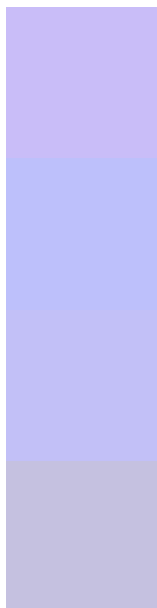
55.8025, 0.2736, 0.2674



## Tritanopia

55.6523, 0.3004, 0.3110

# Trichromacy



## Original Color

55.5900, 0.2804, 0.2632

## Protanomaly

55.4831, 0.2704, 0.2621

## Deuteranomaly

55.8840, 0.2763, 0.2667

## Tritanomaly

55.3921, 0.2936, 0.2927

# Monochromacy



## Original Color

55.5900, 0.2804, 0.2632

## Achromatopsia

57.1125, 0.3127, 0.3290

## Achromatomaly

56.3193, 0.3007, 0.3032

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.5900, 0.2804, 0.2632 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(201, 189, 248)` looks like.

```
.text, #text, p{  
    color:rgb(201, 189, 248)  
}
```

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(201, 189, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 189, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 55.5900, 0.2804, 0.2632 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(201, 189, 248) }
```

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

```
.border{ border-color:rgb(201, 189, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 189, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 189, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 189, 248); box-shadow:4px 4px 4px 4px rgb(201, 189, 248) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.5900, 0.2804, 0.2632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 189, 248) }
```

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

```
.background{ background-color: rgb(201,  
189, 248) }
```

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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