

# Converting Colors

$Yxy(68.4950, 0.2792, 0.2858)$

Have a look what the booklet for  
Yxy(68.4950, 0.2792, 0.2858)  
contains.

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# Color

**Yxy(68.5174, 0.2793, 0.2857)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBD7FF
RGB	203, 215, 255
RGB Percent	80%, 84%, 100%
CMY	0.2039, 0.1569, 0.0000
CMYK	0.20, 0.16, 0.00, 0.00
HSL	226°, 100%, 90%
HSV	226°, 20%, 100%
XYZ	66.9825, 68.5174, 104.3230
YIQ	215.9720, -19.9920, 9.8960

# Conversions

## Conversions Part 2

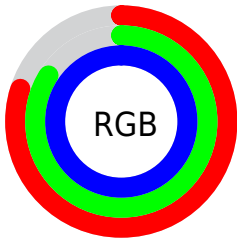
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 213, 255
Decimal	13359103
CIE Lab	86.26, 4.15, -20.85
CIE LCh	86, 21.260, 281.269
Yxy	68.5174, 0.2793, 0.2857
Android (android.graphics.Color)	4291549183 (0xFFCBD7FF)
YUV	215.9720, 19.2408, -11.3764
Hunter-Lab	82.7752, -0.4127, -16.7815

# Details

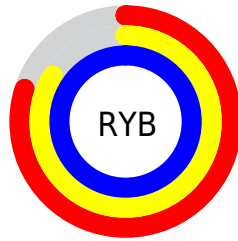
The Yxy color  $68.5174, 0.2793, 0.2857$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $89.6754, 0.3458, 0.3688$ , and the grayscale version is  $68.5267, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $35.5147, 0.2713, 0.2755$  is the 20% darker color. If you saturate the color by 10%, you get  $55.8292, 0.2610, 0.2607$ , and if you desaturate by 10%, it is  $82.9946, 0.2964, 0.3083$ .

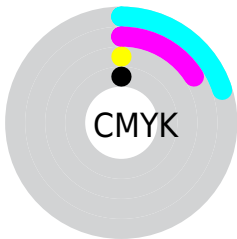
# Distribution



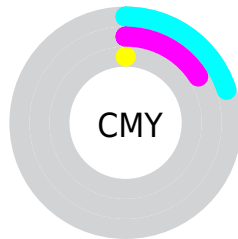
- Red (80%)
- Green (84%)
- Blue (100%)



- Red (80%)
- Yellow (84%)
- Blue (100%)



- Cyan (20%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (16%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5174, 0.2793, 0.2857 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 68.5174, 0.2793, 0.2857 by changing the saturation by 10% instead.



■ 68.5174, 0.2793,  
0.2857

■ 68.5174, 0.2793,  
0.2857

455.3270, 0.2948,  
0.3056

■ 50.3188, 0.2757,  
0.2812

117.0920, 0.2847,  
0.2926

■ 35.6668, 0.2713,  
0.2757

148.2368, 0.2868,  
0.2952

■ 24.1769, 0.2658,  
0.2687

184.4658, 0.2886,  
0.2976

■ 15.4649, 0.2585,  
0.2598

226.1633, 0.2902,  
0.2996

■ 9.1463, 0.2487,  
0.2477

273.7138, 0.2916,  
0.3014

■ 4.8367, 0.2347,  
0.2308

327.5016, 0.2928,

■ 2.1518, 0.2133,

0.3029

0.2054

387.9113, 0.2939,  
0.3043

0.6935, 0.1776,  
0.1619

0.0000, 0.0000,  
0.0000

68.5174, 0.2793,  
0.2857

68.5174, 0.2793,  
0.2857

55.8292, 0.2610,  
0.2607

82.9946, 0.2964,  
0.3083

44.8555, 0.2419,  
0.2334

99.3241, 0.3121,  
0.3283

35.5218, 0.2226,  
0.2046

100.0000, 0.3127,  
0.3290

27.7462, 0.2040,  
0.1753

■ 21.4397, 0.1872,  
0.1468

■ 16.5034, 0.1731,  
0.1207

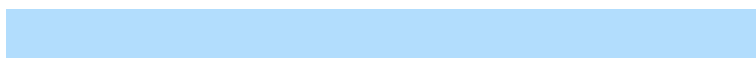
■ 12.8245, 0.1627,  
0.0987

■ 10.3309, 0.1562,  
0.0823

# Harmonies

## Analogous

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



68.5174, 0.2657, 0.2930



68.5174, 0.2793, 0.2857



68.5174, 0.3021, 0.2893

# Triad

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



68.5174, 0.2793, 0.2857



68.5174, 0.3638, 0.3440



68.5174, 0.2957, 0.3580

# Complementary

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



68.5174, 0.2793, 0.2857



89.6754, 0.3458, 0.3688

# 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.



68.5174, 0.3217, 0.3729



68.5174, 0.2793, 0.2857



68.5174, 0.3617, 0.3634

# Square

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



68.5174, 0.2793, 0.2857



68.5174, 0.3516, 0.3220



68.5174, 0.3460, 0.3745



68.5174, 0.2749, 0.3345



# Rectangle

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



68.5174, 0.2793, 0.2857



68.5174, 0.3198, 0.2971



68.5174, 0.3460, 0.3745



68.5174, 0.3041, 0.3643

# Sweetspot

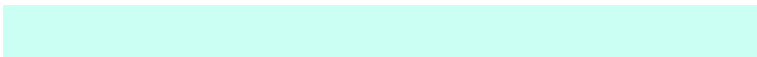
The Sweet Spot groups the original color and five complimentary colors.



68.5185, 0.2793, 0.2857



89.9318, 0.3035, 0.3174



90.6802, 0.2884, 0.3417



19.0233, 0.3025, 0.3160



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.



68.5185, 0.2793, 0.2857



63.7357, 0.2728, 0.2770



64.6659, 0.2879, 0.2738



18.0577, 0.2979, 0.3102



5.5833, 0.1569, 0.0847



0.7008, 0.1625, 0.1050



# Inverse Universe

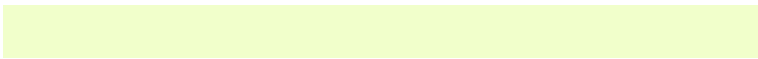
The Inverse Universe completely reimagines the original color for something new.



68.8804, 0.3444, 0.3169



64.3047, 0.3516, 0.3146



94.5565, 0.3344, 0.3816



18.0557, 0.3258, 0.3235



11.2916, 0.5994, 0.3076



1.1153, 0.5685, 0.2905



# Previews

## White Background



This preview shows how the Yxy color 68.5174, 0.2793, 0.2857 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

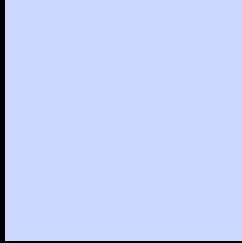
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.5174, 0.2793, 0.2857 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

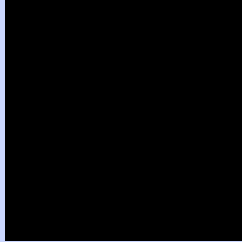
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.5174, 0.2793, 0.2857**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.5174, 0.2793, 0.2857.



This preview shows how white text looks on a background with the Yxy color 68.5174, 0.2793, 0.2857.

# 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

68.5174, 0.2793, 0.2857

### Protanopia

68.6588, 0.2831, 0.2860

### Deuteranopia

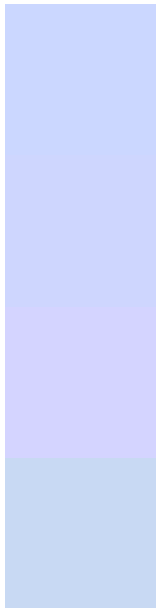
68.5602, 0.2883, 0.2825



## Tritanopia

68.3411, 0.2881, 0.3088

# Trichromacy



## Original Color

68.5174, 0.2793, 0.2857

## Protanomaly

68.3707, 0.2818, 0.2859

## Deuteranomaly

68.3040, 0.2850, 0.2832

## Tritanomaly

68.3761, 0.2846, 0.3002

# Monochromacy



## Original Color

68.5174, 0.2793, 0.2857

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

68.6738, 0.3000, 0.3135

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.5174, 0.2793, 0.2857 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(203, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 215, 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(203, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 215, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 68.5174, 0.2793, 0.2857 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(203, 215, 255) }
```

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

```
.border{ border-color:rgb(203, 215, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 215,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.5174, 0.2793, 0.2857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 215, 255) }
```

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

```
.background{ background-color: rgb(203,  
215, 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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