

# Converting Colors

$Yxy(68.8628, 0.2793, 0.2966)$

Have a look what the booklet for  
Yxy(68.8628, 0.2793, 0.2966)  
contains.

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# Color

**Yxy(68.6559, 0.2791, 0.2958)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4DAF8
RGB	196, 218, 248
RGB Percent	77%, 85%, 97%
CMY	0.2314, 0.1451, 0.0273
CMYK	0.21, 0.12, 0.00, 0.03
HSL	215°, 79%, 87%
HSV	215°, 21%, 97%
XYZ	64.7798, 68.6559, 98.6667
YIQ	214.8420, -22.7420, 4.6660

# Conversions

## Conversions Part 2

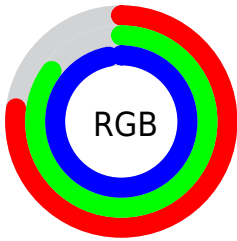
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	196, 211, 248
Decimal	12901112
CIE Lab	86.33, -1.07, -17.10
CIE LCh	86, 17.135, 266.406
Yxy	68.6559, 0.2791, 0.2958
Android (android.graphics.Color)	4291091192 (0xFFC4DAF8)
YUV	214.8420, 16.3469, -16.5244
Hunter-Lab	82.8589, -5.4501, -12.6002

# Details

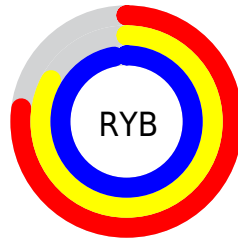
The Yxy color **68.6559, 0.2791, 0.2958** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.3442, 0.3488, 0.3601**, and the grayscale version is **67.7424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **35.7509, 0.2712, 0.2871** is the 20% darker color. If you saturate the color by 10%, you get **58.4994, 0.2621, 0.2772**, and if you desaturate by 10%, it is **80.0084, 0.2956, 0.3126**.

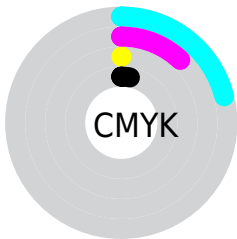
# Distribution



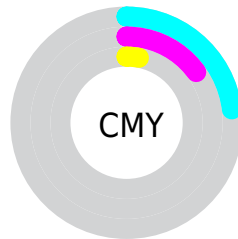
- Red (77%)
- Green (85%)
- Blue (97%)



- Red (77%)
- Yellow (83%)
- Blue (97%)



- Cyan (21%)
- Magenta (12%)
- Yellow (0%)
- Black (3%)



- Cyan (23%)
- Magenta (15%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6559, 0.2791, 0.2958 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 68.6559, 0.2791, 0.2958 by changing the saturation by 10% instead.



■ 68.6559, 0.2791,  
0.2958

■ 68.6559, 0.2791,  
0.2958

455.8164, 0.2947,  
0.3112

■ 50.4315, 0.2755,  
0.2923

117.2900, 0.2845,  
0.3012

■ 35.7564, 0.2712,  
0.2879

148.4684, 0.2866,  
0.3033

■ 24.2461, 0.2656,  
0.2824

184.7337, 0.2884,  
0.3050

■ 15.5163, 0.2584,  
0.2751

226.4703, 0.2900,  
0.3066

■ 9.1825, 0.2486,  
0.2653

274.0624, 0.2914,  
0.3080

■ 4.8604, 0.2345,  
0.2512

327.8945, 0.2926,

■ 2.1656, 0.2131,

0.3092

0.2294

388.3511, 0.2937,  
0.3103

0.7011, 0.1739,  
0.1904

0.0000, 0.0000,  
0.0000

68.6559, 0.2791,  
0.2958

68.6559, 0.2791,  
0.2958

58.4994, 0.2621,  
0.2772

80.0084, 0.2956,  
0.3126

49.4875, 0.2449,  
0.2570

92.5892, 0.3112,  
0.3276

41.5769, 0.2280,  
0.2355

99.5591, 0.3167,  
0.3357

34.7180, 0.2120,  
0.2130

■ 28.8564, 0.1976,  
0.1903

■ 23.9318, 0.1854,  
0.1681

■ 19.8744, 0.1759,  
0.1472

■ 16.8706, 0.1695,  
0.1300

# Harmonies

## Analogous

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



68.6559, 0.2727, 0.3062



68.6559, 0.2791, 0.2958



68.6559, 0.2944, 0.2942

# Triad

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



68.6559, 0.2791, 0.2958



68.6559, 0.3502, 0.3326



68.6559, 0.3094, 0.3592

# Complementary

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



68.6559, 0.2791, 0.2958



78.3442, 0.3488, 0.3601

# 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.



68.6559, 0.3303, 0.3662



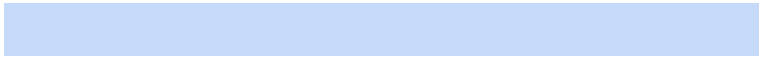
68.6559, 0.2791, 0.2958



68.6559, 0.3544, 0.3498

# Square

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



68.6559, 0.2791, 0.2958



68.6559, 0.3356, 0.3150



68.6559, 0.3470, 0.3624



68.6559, 0.2898, 0.3433



# Rectangle

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



68.6559, 0.2791, 0.2958



68.6559, 0.3078, 0.2980



68.6559, 0.3470, 0.3624



68.6559, 0.3165, 0.3627

# Sweetspot

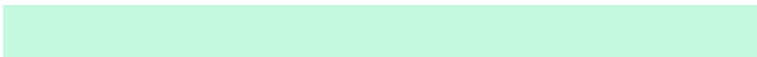
The Sweet Spot groups the original color and five complimentary colors.



68.6587, 0.2791, 0.2958



91.7100, 0.3035, 0.3203



84.3486, 0.2935, 0.3536



19.4428, 0.3024, 0.3193



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.



68.6587, 0.2791, 0.2958



68.5874, 0.2723, 0.2885



58.4571, 0.2798, 0.2710



17.8502, 0.2979, 0.3149



9.3751, 0.1703, 0.1329



1.0732, 0.1767, 0.1561



# Inverse Universe

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



64.4975, 0.3376, 0.3062



63.7044, 0.3437, 0.3015



90.4706, 0.3421, 0.3819



17.3471, 0.3227, 0.3190



11.3573, 0.5287, 0.2686

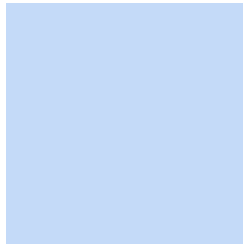


1.0726, 0.4980, 0.2517



# Previews

## White Background



This preview shows how the Yxy color 68.6559, 0.2791, 0.2958 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

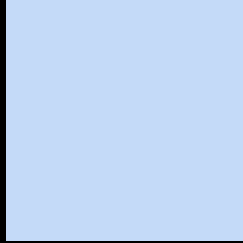
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.6559, 0.2791, 0.2958 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

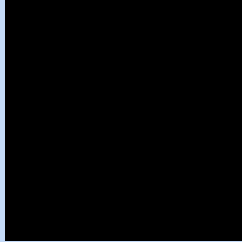
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

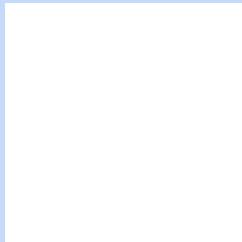
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.6559, 0.2791, 0.2958**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.6559, 0.2791, 0.2958.

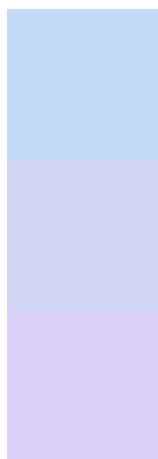


This preview shows how white text looks on a background with the Yxy color 68.6559, 0.2791, 0.2958.

# 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

68.6559, 0.2791, 0.2958

### Protanopia

68.5346, 0.2905, 0.2954

### Deuteranopia

68.2110, 0.2934, 0.2867



## Tritanopia

68.7702, 0.2844, 0.3098

# Trichromacy



## Original Color

68.6559, 0.2791, 0.2958

## Protanomaly

68.3765, 0.2866, 0.2952

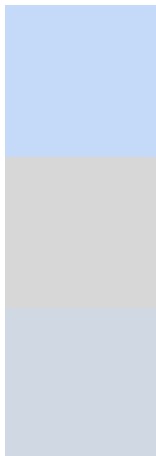
## Deuteranomaly

68.2769, 0.2880, 0.2902

## Tritanomaly

68.6160, 0.2826, 0.3044

# Monochromacy



## Original Color

68.6559, 0.2791, 0.2958

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

68.0677, 0.2998, 0.3167

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.6559, 0.2791, 0.2958 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(196, 218, 248)` looks like.

```
.text, #text, p{  
    color:rgb(196, 218, 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(196, 218, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 218, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 68.6559, 0.2791, 0.2958 is called "border". The border property can be set on classes, ids or directly on the HTML element.

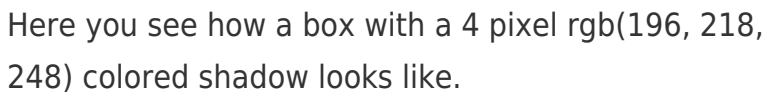
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 218, 248) }
```

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

```
.border{ border-color:rgb(196, 218, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 218, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 218, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 218, 248); box-shadow:4px 4px 4px 4px rgb(196, 218, 248) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.6559, 0.2791, 0.2958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 218, 248) }
```

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

```
.background{ background-color: rgb(196,  
218, 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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