

# Converting Colors

$Yxy(68.7901, 0.2807, 0.2995)$

Have a look what the booklet for  
Yxy(68.7901, 0.2807, 0.2995)  
contains.

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# Color

**Yxy(68.9914, 0.2809, 0.3001)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C4DBF5
RGB	196, 219, 245
RGB Percent	77%, 86%, 96%
CMY	0.2315, 0.1411, 0.0391
CMYK	0.20, 0.11, 0.00, 0.04
HSL	212°, 71%, 86%
HSV	212°, 20%, 96%
XYZ	64.5774, 68.9914, 96.3259
YIQ	215.0870, -22.0540, 3.2100

# Conversions

## Conversions Part 2

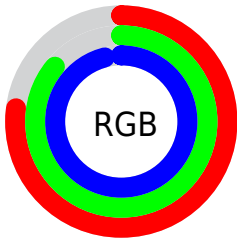
Format	Color
R <sub>YB</sub>	196, 212, 245
Decimal	12901365
CIE Lab	86.50, -2.25, -15.27
CIE LCh	86, 15.437, 261.618
Yxy	68.9914, 0.2809, 0.3001
Android (android.graphics.Color)	4291091445 (0xFFC4DBF5)
YUV	215.0870, 14.7471, -16.7393
Hunter-Lab	83.0611, -6.5786, -10.6158

# Details

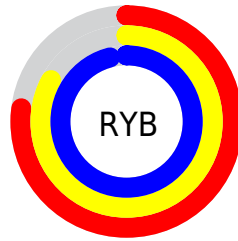
The Yxy color **68.9914, 0.2809, 0.3001** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.6495, 0.3474, 0.3563**, and the grayscale version is **67.9269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **35.9758, 0.2735, 0.2927** is the 20% darker color. If you saturate the color by 10%, you get **59.4515, 0.2642, 0.2833**, and if you desaturate by 10%, it is **79.6034, 0.2971, 0.3153**.

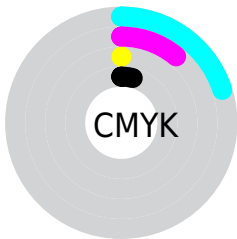
# Distribution



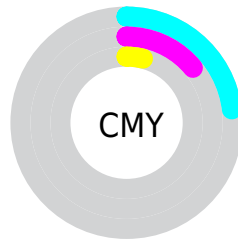
- Red (77%)
- Green (86%)
- Blue (96%)



- Red (77%)
- Yellow (83%)
- Blue (96%)



- Cyan (20%)
- Magenta (11%)
- Yellow (0%)
- Black (4%)



- Cyan (23%)
- Magenta (14%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9914, 0.2809, 0.3001 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 68.9914, 0.2809, 0.3001 by changing the saturation by 10% instead.



■ 68.9914, 0.2809,  
0.3001

■ 68.9914, 0.2809,  
0.3001

457.0006, 0.2956,  
0.3136

■ 50.7047, 0.2775,  
0.2970

117.7693, 0.2860,  
0.3048

■ 35.9737, 0.2734,  
0.2932

149.0293, 0.2880,  
0.3066

■ 24.4139, 0.2681,  
0.2883

185.3825, 0.2897,  
0.3082

■ 15.6409, 0.2613,  
0.2819

227.2133, 0.2912,  
0.3095

■ 9.2704, 0.2520,  
0.2732

274.9061, 0.2925,  
0.3107

■ 4.9180, 0.2387,  
0.2606

328.8454, 0.2937,

■ 2.1992, 0.2182,

0.3118

0.2410

389.4154, 0.2947,  
0.3127

0.7196, 0.1797,  
0.2056

0.0000, 0.0000,  
0.0000

68.9914, 0.2809,  
0.3001

68.9914, 0.2809,  
0.3001

59.4515, 0.2642,  
0.2833

79.6034, 0.2971,  
0.3153

50.9372, 0.2475,  
0.2649

91.3148, 0.3127,  
0.3290

43.4106, 0.2311,  
0.2453

99.3747, 0.3185,  
0.3386

36.8278, 0.2157,  
0.2248

■ 31.1410, 0.2018,  
0.2038

■ 26.2966, 0.1899,  
0.1831

■ 22.2328, 0.1805,  
0.1632

■ 18.8617, 0.1735,  
0.1447

# Harmonies

## Analogous

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



68.9914, 0.2765, 0.3107



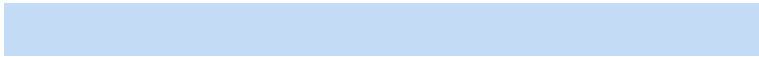
68.9914, 0.2809, 0.3001



68.9914, 0.2936, 0.2973

# Triad

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



68.9914, 0.2809, 0.3001



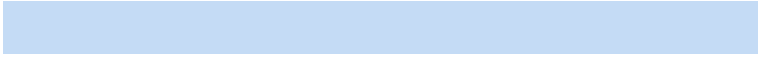
68.9914, 0.3449, 0.3297



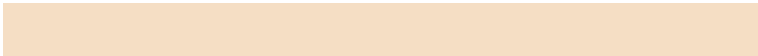
68.9914, 0.3128, 0.3577

# Complementary

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



68.9914, 0.2809, 0.3001



75.6495, 0.3474, 0.3563

# 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.



68.9914, 0.3314, 0.3625



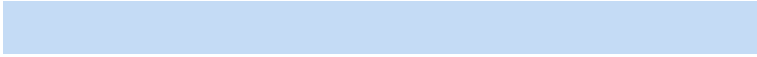
68.9914, 0.2809, 0.3001



68.9914, 0.3503, 0.3456

# Square

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



68.9914, 0.2809, 0.3001



68.9914, 0.3306, 0.3141



68.9914, 0.3452, 0.3577



68.9914, 0.2946, 0.3445



# Rectangle

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



68.9914, 0.2809, 0.3001



68.9914, 0.3053, 0.2999



68.9914, 0.3452, 0.3577



68.9914, 0.3192, 0.3604

# Sweetspot

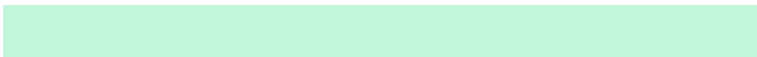
The Sweet Spot groups the original color and five complimentary colors.



68.9942, 0.2809, 0.3001



92.1423, 0.3035, 0.3210



82.2965, 0.2957, 0.3552



19.5449, 0.3024, 0.3201



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

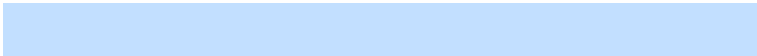


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.9942, 0.2809, 0.3001



71.1867, 0.2742, 0.2935



57.9080, 0.2798, 0.2737



17.2094, 0.2980, 0.3161



10.4301, 0.1744, 0.1476



1.1206, 0.1809, 0.1711



# Inverse Universe

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



64.0039, 0.3344, 0.3050



65.0569, 0.3399, 0.2999



88.5823, 0.3424, 0.3791



16.6120, 0.3220, 0.3179



11.1523, 0.5090, 0.2578

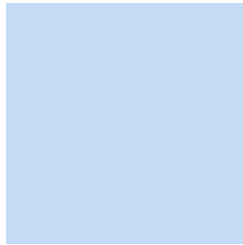


1.0008, 0.4793, 0.2414



# Previews

## White Background



This preview shows how the Yxy color 68.9914, 0.2809, 0.3001 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

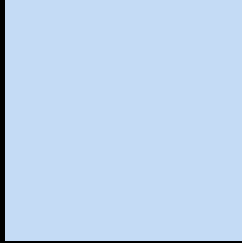
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.9914, 0.2809, 0.3001 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

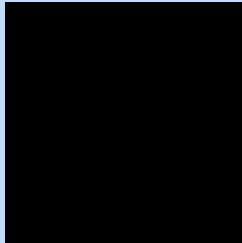
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

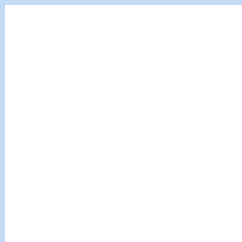
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.9914, 0.2809, 0.3001**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.9914, 0.2809, 0.3001.

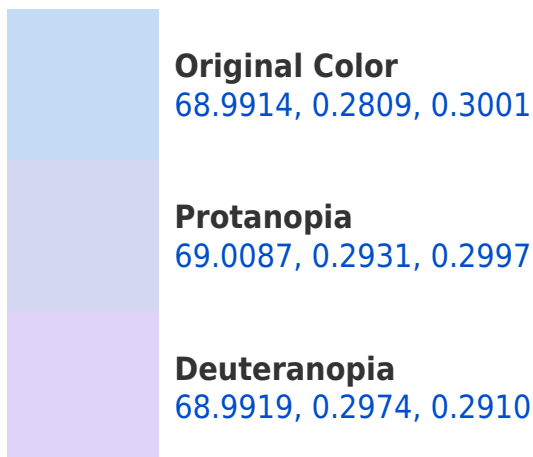


This preview shows how white text looks on a background with the Yxy color 68.9914, 0.2809, 0.3001.

# 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

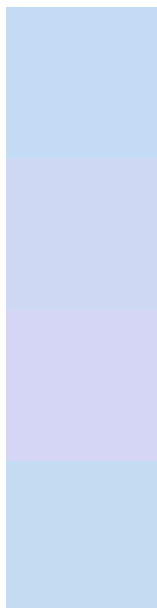




## Tritanopia

68.9615, 0.2845, 0.3088

# Trichromacy



## Original Color

68.9914, 0.2809, 0.3001

## Protanomaly

68.7046, 0.2884, 0.2994

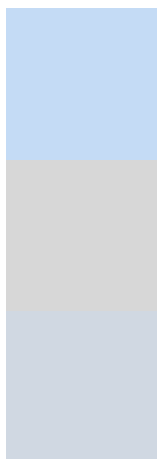
## Deuteranomaly

68.8931, 0.2912, 0.2945

## Tritanomaly

69.1394, 0.2827, 0.3055

# Monochromacy



## Original Color

68.9914, 0.2809, 0.3001

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

68.0126, 0.3004, 0.3178

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.9914, 0.2809, 0.3001 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, 219, 245)` looks like.

```
.text, #text, p{  
    color:rgb(196, 219, 245)  
}
```

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, 219, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 219, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 68.9914, 0.2809, 0.3001 is called "border". The border property can be set on classes, ids or directly on the HTML element.

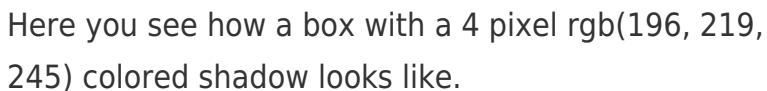
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 219, 245) }
```

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

```
.border{ border-color:rgb(196, 219, 245) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 219, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 219, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 219, 245); box-shadow:4px 4px 4px 4px rgb(196, 219, 245) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.9914, 0.2809, 0.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 219, 245) }
```

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

```
.background{ background-color: rgb(196,  
219, 245) }
```

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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