

# Converting Colors

$Yxy(68.5968, 0.2854, 0.3071)$

Have a look what the booklet for  
Yxy(68.5968, 0.2854, 0.3071)  
contains.

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# Color

**Yxy(68.7064, 0.2857, 0.3077)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5DBEE
RGB	197, 219, 238
RGB Percent	77%, 86%, 93%
CMY	0.2274, 0.1412, 0.0667
CMYK	0.17, 0.08, 0.00, 0.07
HSL	208°, 55%, 85%
HSV	208°, 17%, 93%
XYZ	63.7940, 68.7064, 90.7898
YIQ	214.5880, -19.2110, 1.2450

# Conversions

## Conversions Part 2

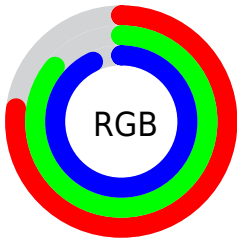
Format	Color
R <sub>Y</sub> B	197, 211, 238
Decimal	12966894
CIE Lab	86.36, -3.43, -11.76
CIE LCh	86, 12.253, 253.765
Yxy	68.7064, 0.2857, 0.3077
Android (android.graphics.Color)	4291156974 (0xFFC5DBEE)
YUV	214.5880, 11.5421, -15.4247
Hunter-Lab	82.8893, -7.6776, -6.9186

# Details

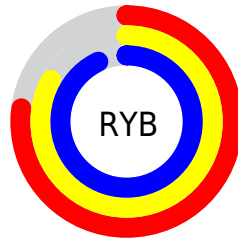
The Yxy color **68.7064, 0.2857, 0.3077** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.3346, 0.3424, 0.3494**, and the grayscale version is **67.5963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **35.7680, 0.2795, 0.3025** is the 20% darker color. If you saturate the color by 10%, you get **60.1764, 0.2695, 0.2935**, and if you desaturate by 10%, it is **78.1311, 0.3016, 0.3206**.

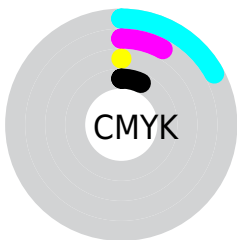
# Distribution



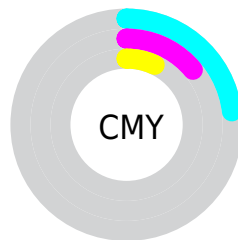
- Red (77%)
- Green (86%)
- Blue (93%)



- Red (77%)
- Yellow (83%)
- Blue (93%)



- Cyan (17%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)



- Cyan (23%)
- Magenta (14%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7064, 0.2857, 0.3077 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 68.7064, 0.2857, 0.3077 by changing the saturation by 10% instead.



■ 68.7064, 0.2857,  
0.3077

■ 68.7064, 0.2857,  
0.3077

455.9948, 0.2982,  
0.3177

■ 50.4726, 0.2828,  
0.3054

117.3621, 0.2901,  
0.3112

■ 35.7891, 0.2793,  
0.3025

148.5529, 0.2917,  
0.3125

■ 24.2713, 0.2748,  
0.2988

184.8314, 0.2932,  
0.3137

■ 15.5350, 0.2689,  
0.2940

226.5822, 0.2945,  
0.3147

■ 9.1957, 0.2609,  
0.2873

274.1895, 0.2956,  
0.3156

■ 4.8691, 0.2493,  
0.2776

328.0377, 0.2966,

■ 2.1706, 0.2312,

0.3164

0.2621

388.5114, 0.2975,  
0.3171

0.7039, 0.1937,  
0.2329

0.0000, 0.0000,  
0.0000

68.7064, 0.2857,  
0.3077

68.7064, 0.2857,  
0.3077

60.1764, 0.2695,  
0.2935

78.1311, 0.3016,  
0.3206

52.5016, 0.2534,  
0.2780

88.4714, 0.3169,  
0.3321

45.6515, 0.2377,  
0.2613

97.1226, 0.3229,  
0.3426

39.5904, 0.2229,  
0.2438

98.9532, 0.3226,  
0.3454

■ 34.2792, 0.2094,  
0.2256

■ 29.6742, 0.1979,  
0.2073

■ 25.7255, 0.1886,  
0.1894

■ 22.3700, 0.1816,  
0.1722

■ 21.5174, 0.1799,  
0.1675

# Harmonies

## Analogous

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



68.7064, 0.2841, 0.3177



68.7064, 0.2857, 0.3077



68.7064, 0.2943, 0.3036

# Triad

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



68.7064, 0.2857, 0.3077



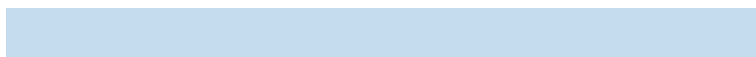
68.7064, 0.3359, 0.3262



68.7064, 0.3169, 0.3534

# Complementary

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



68.7064, 0.2857, 0.3077



71.3346, 0.3424, 0.3494

# 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.



68.7064, 0.3310, 0.3553



68.7064, 0.2857, 0.3077



68.7064, 0.3422, 0.3392

# Square

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



68.7064, 0.2857, 0.3077



68.7064, 0.3232, 0.3143



68.7064, 0.3404, 0.3499



68.7064, 0.3019, 0.3445



# Rectangle

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



68.7064, 0.2857, 0.3077



68.7064, 0.3031, 0.3045



68.7064, 0.3404, 0.3499



68.7064, 0.3219, 0.3548

# Sweetspot

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



68.7092, 0.2857, 0.3077



93.9471, 0.3050, 0.3232



77.9544, 0.2996, 0.3542



19.9312, 0.3039, 0.3224



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

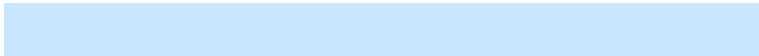


# Same Dimension

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



68.7092, 0.2857, 0.3077



76.3872, 0.2795, 0.3024



58.9257, 0.2846, 0.2847



16.6328, 0.2980, 0.3178



12.2661, 0.1806, 0.1701



1.2194, 0.1869, 0.1927



# Inverse Universe

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



63.2344, 0.3288, 0.3056



68.9660, 0.3331, 0.3002



82.1745, 0.3390, 0.3698



15.9006, 0.3209, 0.3164



11.0316, 0.4805, 0.2421

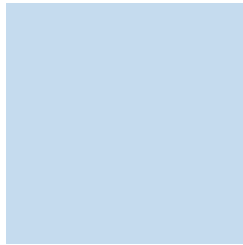


0.9378, 0.4537, 0.2273



# Previews

## White Background



This preview shows how the Yxy color 68.7064, 0.2857, 0.3077 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

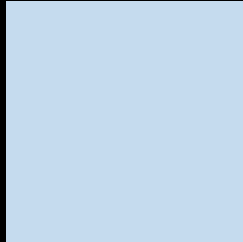
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.7064, 0.2857, 0.3077 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

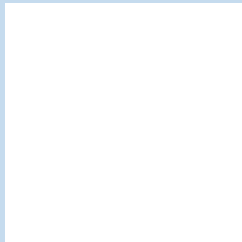
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.7064, 0.2857, 0.3077**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.7064, 0.2857, 0.3077.



This preview shows how white text looks on a background with the Yxy color 68.7064, 0.2857, 0.3077.

# 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

68.7064, 0.2857, 0.3077

### Protanopia

68.3874, 0.2988, 0.3061

### Deuteranopia

68.5532, 0.3041, 0.2972



## Tritanopia

68.6478, 0.2863, 0.3088

# Trichromacy



## Original Color

68.7064, 0.2857, 0.3077

## Protanomaly

68.5778, 0.2941, 0.3069

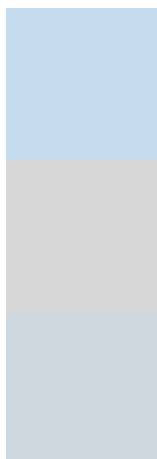
## Deuteranomaly

68.2676, 0.2970, 0.3008

## Tritanomaly

68.6478, 0.2863, 0.3088

# Monochromacy



## Original Color

68.7064, 0.2857, 0.3077

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

67.8493, 0.3024, 0.3211

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.7064, 0.2857, 0.3077 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(197, 219, 238)` looks like.

```
.text, #text, p{  
    color:rgb(197, 219, 238)  
}
```

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(197, 219, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 219, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 68.7064, 0.2857, 0.3077 is called "border". The border property can be set on classes, ids or directly on the HTML element.

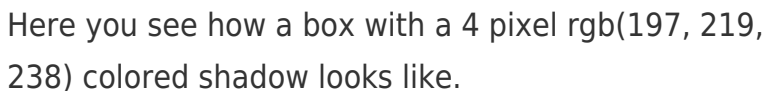
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 219, 238) }
```

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

```
.border{ border-color:rgb(197, 219, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 219, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 219, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 219, 238); box-shadow:4px 4px 4px 4px rgb(197, 219, 238) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.7064, 0.2857, 0.3077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 219, 238) }
```

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

```
.background{ background-color: rgb(197,  
219, 238) }
```

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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