

# Converting Colors

$Yxy(77.2920, 0.2823, 0.3163)$

Have a look what the booklet for  
Yxy(77.2920, 0.2823, 0.3163)  
contains.

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# Color

**Yxy(77.3698, 0.2820, 0.3159)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5EAF6
RGB	197, 234, 246
RGB Percent	77%, 92%, 96%
CMY	0.2278, 0.0823, 0.0353
CMYK	0.20, 0.05, 0.00, 0.04
HSL	195°, 73%, 87%
HSV	195°, 20%, 96%
XYZ	69.0671, 77.3698, 98.4818
YIQ	224.3050, -25.9040, -4.1120

# Conversions

## Conversions Part 2

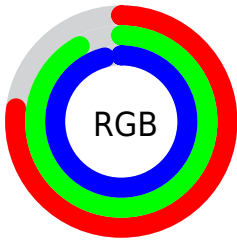
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	197, 218, 246
Decimal	12970742
CIE Lab	90.49, -9.50, -9.81
CIE LCh	90, 13.655, 225.933
Yxy	77.3698, 0.2820, 0.3159
Android (android.graphics.Color)	4291160822 (0xFFC5EAF6)
YUV	224.3050, 10.6956, -23.9465
Hunter-Lab	87.9601, -13.7704, -4.8101

# Details

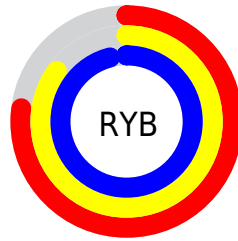
The Yxy color **77.3698, 0.2820, 0.3159** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.1701, 0.3500, 0.3417**, and the grayscale version is **74.6987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **41.3093, 0.2746, 0.3119** is the 20% darker color. If you saturate the color by 10%, you get **70.9597, 0.2672, 0.3084**, and if you desaturate by 10%, it is **84.4439, 0.2973, 0.3228**.

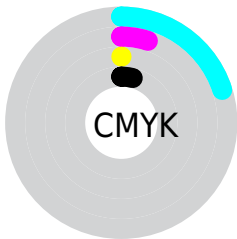
# Distribution



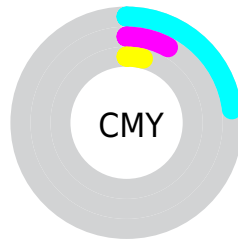
- Red (77%)
- Green (92%)
- Blue (96%)



- Red (77%)
- Yellow (85%)
- Blue (96%)



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)
- Black (4%)



- Cyan (23%)
- Magenta (8%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3698, 0.2820, 0.3159 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 77.3698, 0.2820, 0.3159 by changing the saturation by 10% instead.



■ 77.3698, 0.2820,  
0.3159

■ 77.3698, 0.2820,  
0.3159

■ 486.0239, 0.2959,  
0.3221

■ 57.5564, 0.2789,  
0.3145

■ 129.6614, 0.2868,  
0.3181

■ 41.4522, 0.2751,  
0.3127

■ 162.9083, 0.2886,  
0.3189

■ 28.6726, 0.2703,  
0.3105

■ 201.4020, 0.2903,  
0.3196

■ 18.8333, 0.2642,  
0.3075

■ 245.5267, 0.2917,  
0.3202

■ 11.5499, 0.2560,  
0.3034

■ 295.6668, 0.2929,  
0.3208

■ 6.4380, 0.2444,  
0.2975

■ 352.2068, 0.2940,

■ 3.1132, 0.2272,

0.3212

0.2882

415.5311, 0.2950,  
0.3217

1.1911, 0.1988,  
0.2714

0.0544, 0.0000,  
0.0681

77.3698, 0.2820,  
0.3159

77.3698, 0.2820,  
0.3159

70.9597, 0.2672,  
0.3084

84.4439, 0.2973,  
0.3228

65.1765, 0.2531,  
0.3004

92.1979, 0.3128,  
0.3290

59.9940, 0.2402,  
0.2919

97.5550, 0.3181,  
0.3348

55.3798, 0.2288,  
0.2830

99.4339, 0.3179,  
0.3376

■ 51.2979, 0.2192,  
0.2739

■ 47.7072, 0.2115,  
0.2647

■ 44.5592, 0.2058,  
0.2556

■ 41.7742, 0.2018,  
0.2466

■ 41.7613, 0.2018,  
0.2465

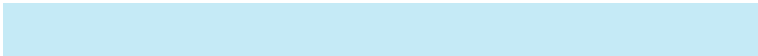
# Harmonies

## Analogous

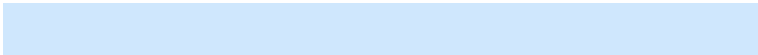
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3698, 0.2877, 0.3302



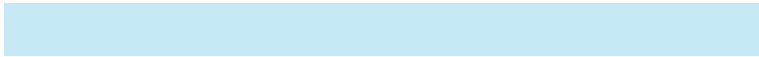
77.3698, 0.2820, 0.3159



77.3698, 0.2842, 0.3056

# Triad

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



77.3698, 0.2820, 0.3159



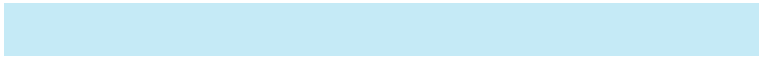
77.3698, 0.3251, 0.3141



77.3698, 0.3313, 0.3573

# Complementary

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



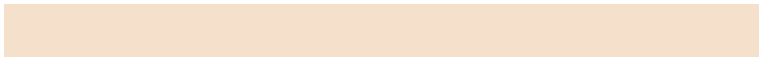
77.3698, 0.2820, 0.3159



69.1701, 0.3500, 0.3417

# 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.



77.3698, 0.3419, 0.3520



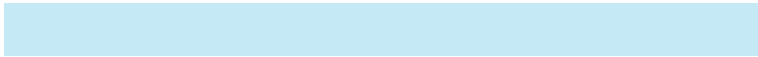
77.3698, 0.2820, 0.3159



77.3698, 0.3383, 0.3270

# Square

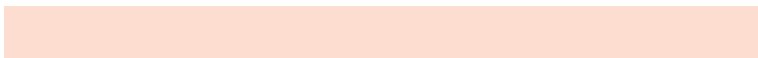
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.3698, 0.2820, 0.3159



77.3698, 0.3088, 0.3049



77.3698, 0.3445, 0.3408



77.3698, 0.3160, 0.3547



# Rectangle

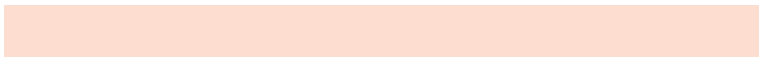
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



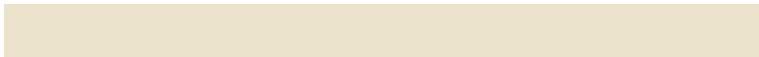
77.3698, 0.2820, 0.3159



77.3698, 0.2900, 0.3023



77.3698, 0.3445, 0.3408



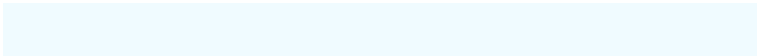
77.3698, 0.3356, 0.3563

# Sweetspot

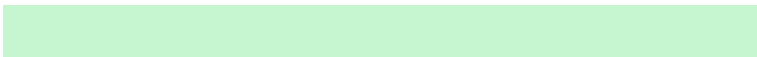
The Sweet Spot groups the original color and five complimentary colors.



77.3730, 0.2820, 0.3159



94.8539, 0.3034, 0.3253



82.3438, 0.3036, 0.3709



20.1863, 0.3024, 0.3249



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

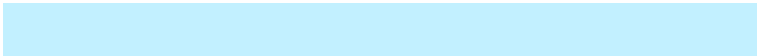


# Same Dimension

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



77.3730, 0.2820, 0.3159



81.0224, 0.2759, 0.3129



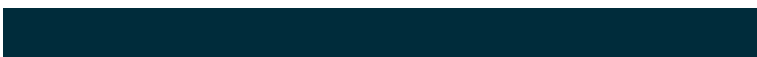
64.6103, 0.2803, 0.2889



18.0326, 0.2980, 0.3231



22.5213, 0.2022, 0.2480



2.1389, 0.2054, 0.2594



# Inverse Universe

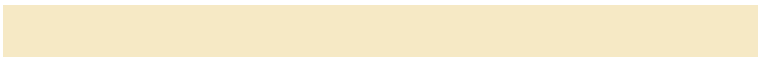
The Inverse Universe completely reimagines the original color for something new.



65.4308, 0.3238, 0.2909



66.0499, 0.3265, 0.2829



81.8487, 0.3453, 0.3661



16.6951, 0.3175, 0.3113



12.3729, 0.3942, 0.1945

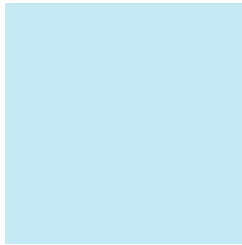


1.1036, 0.3830, 0.1884



# Previews

## White Background



This preview shows how the Yxy color 77.3698, 0.2820, 0.3159 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

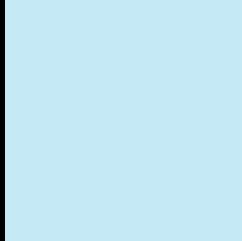
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.3698, 0.2820, 0.3159 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

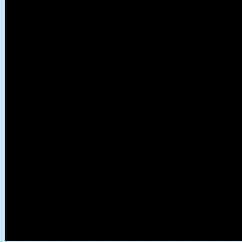
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.3698, 0.2820, 0.3159**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.3698, 0.2820, 0.3159.

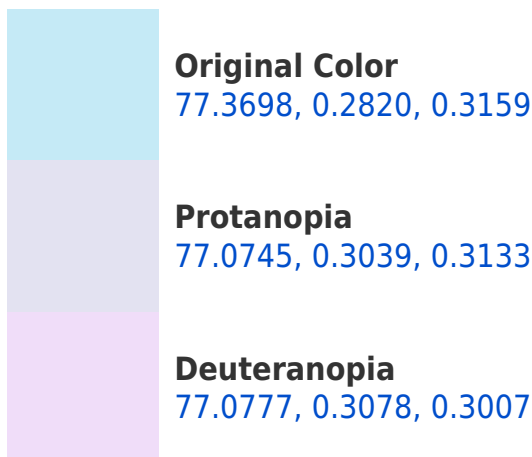


This preview shows how white text looks on a background with the Yxy color 77.3698, 0.2820, 0.3159.

# 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

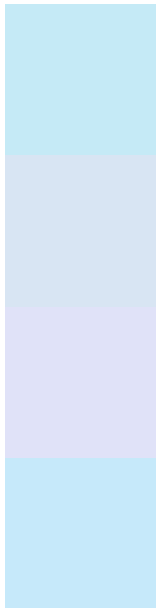




## Tritanopia

77.3119, 0.2793, 0.3085

# Trichromacy



## Original Color

77.3698, 0.2820, 0.3159

## Protanomaly

77.1086, 0.2954, 0.3141

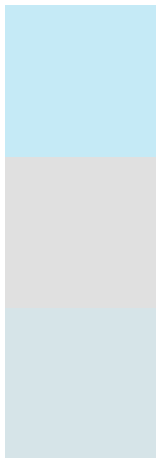
## Deuteranomaly

77.0173, 0.2976, 0.3061

## Tritanomaly

77.1857, 0.2804, 0.3106

# Monochromacy



## Original Color

77.3698, 0.2820, 0.3159

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

75.6091, 0.3007, 0.3246

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.3698, 0.2820, 0.3159 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, 234, 246)` looks like.

```
.text, #text, p{  
    color:rgb(197, 234, 246)  
}
```

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, 234, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 234, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 77.3698, 0.2820, 0.3159 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, 234, 246) }
```

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

```
.border{ border-color:rgb(197, 234, 246) }
```

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

Here you see how a box with a 4 pixel rgb(197, 234, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 234, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 234, 246);  
box-shadow:4px 4px 4px 4px rgb(197, 234,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.3698, 0.2820, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 234, 246) }
```

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

```
.background{ background-color: rgb(197,  
234, 246) }
```

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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