

# Converting Colors

Yxy(84.6869, 0.2698, 0.3017)

Have a look what the booklet for  
Yxy(84.6869, 0.2698, 0.3017)  
contains.

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# Color

**Yxy(83.6571, 0.2774, 0.3172)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4F4FF
RGB	196, 244, 255
RGB Percent	77%, 96%, 100%
CMY	0.2315, 0.0431, 0.0000
CMYK	0.23, 0.04, 0.00, 0.00
HSL	191°, 100%, 88%
HSV	191°, 23%, 100%
XYZ	73.1604, 83.6571, 106.9186
YIQ	230.9020, -32.1390, -6.7550

# Conversions

## Conversions Part 2

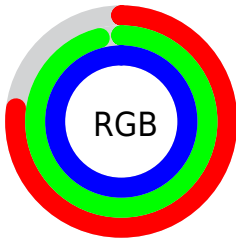
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	196, 222, 255
Decimal	12907775
CIE Lab	93.30, -12.90, -10.34
CIE LCh	93, 16.530, 218.717
Yxy	83.6571, 0.2774, 0.3172
Android (android.graphics.Color)	4291097855 (0xFFC4F4FF)
YUV	230.9020, 11.8803, -30.6091
Hunter-Lab	91.4643, -17.2839, -5.2830

# Details

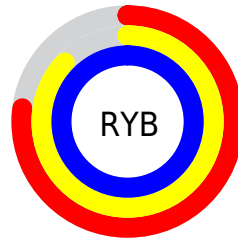
The Yxy color **83.6571, 0.2774, 0.3172** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.8446, 0.3583, 0.3405**, and the grayscale version is **79.7578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **45.7064, 0.2700, 0.3151** is the 20% darker color. If you saturate the color by 10%, you get **77.7062, 0.2632, 0.3114**, and if you desaturate by 10%, it is **90.2662, 0.2924, 0.3226**.

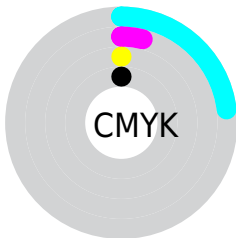
# Distribution



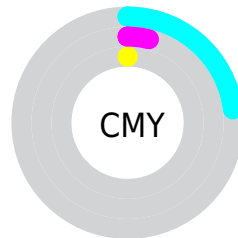
- Red (77%)
- Green (96%)
- Blue (100%)



- Red (77%)
- Yellow (87%)
- Blue (100%)



- Cyan (23%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6571, 0.2774, 0.3172 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 83.6571, 0.2774, 0.3172 by changing the saturation by 10% instead.



83.6571, 0.2774,  
0.3172

83.6571, 0.2774,  
0.3172

507.1739, 0.2932,  
0.3227

62.7324, 0.2739,  
0.3159

138.4954, 0.2828,  
0.3191

45.6247, 0.2697,  
0.3143

173.1778, 0.2849,  
0.3199

31.9498, 0.2645,  
0.3123

213.2148, 0.2867,  
0.3205

21.3232, 0.2578,  
0.3097

258.9909, 0.2883,  
0.3211

13.3604, 0.2490,  
0.3061

310.8905, 0.2897,  
0.3216

7.6772, 0.2370,  
0.3008

369.2979, 0.2910,

3.8891, 0.2194,

0.3220

0.2927

434.5976, 0.2921,  
0.3224

1.6117, 0.1916,  
0.2784

0.3655, 0.0213,  
0.2393

83.6571, 0.2774,  
0.3172

83.6571, 0.2774,  
0.3172

77.7062, 0.2632,  
0.3114

90.2662, 0.2924,  
0.3226

72.3782, 0.2500,  
0.3052

97.5560, 0.3078,  
0.3275

67.6424, 0.2383,  
0.2988

100.0000, 0.3127,  
0.3290

63.4630, 0.2282,  
0.2921

■ 59.8000, 0.2200,  
0.2852

■ 56.6069, 0.2138,  
0.2784

■ 53.8276, 0.2096,  
0.2716

■ 52.1078, 0.2075,  
0.2670

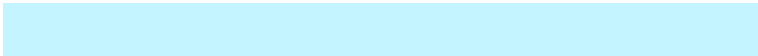
# Harmonies

## Analogous

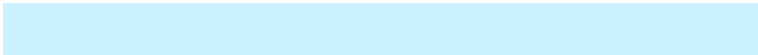
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6571, 0.2862, 0.3347



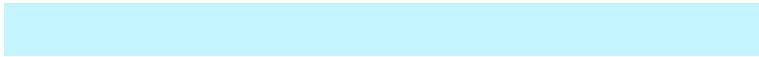
83.6571, 0.2774, 0.3172



83.6571, 0.2778, 0.3037

# Triad

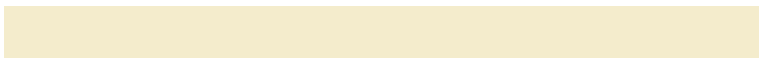
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6571, 0.2774, 0.3172



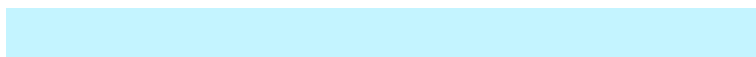
83.6571, 0.3228, 0.3084



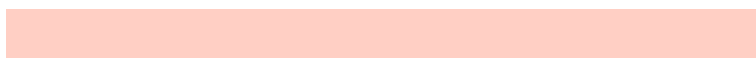
83.6571, 0.3383, 0.3617

# Complementary

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



83.6571, 0.2774, 0.3172



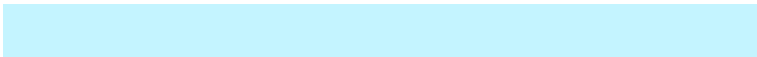
69.8446, 0.3583, 0.3405

# 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.



83.6571, 0.3488, 0.3533



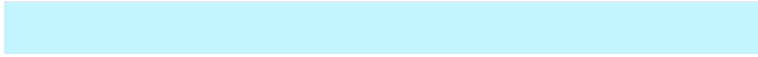
83.6571, 0.2774, 0.3172



83.6571, 0.3398, 0.3227

# Square

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



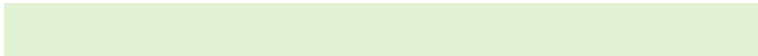
83.6571, 0.2774, 0.3172



83.6571, 0.3035, 0.2992



83.6571, 0.3494, 0.3390

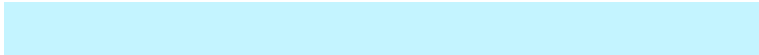


83.6571, 0.3211, 0.3611

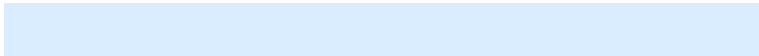


# Rectangle

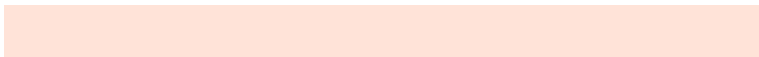
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.6571, 0.2774, 0.3172



83.6571, 0.2831, 0.2986



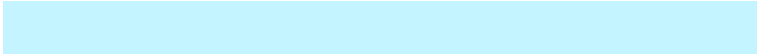
83.6571, 0.3494, 0.3390



83.6571, 0.3428, 0.3598

# Sweetspot

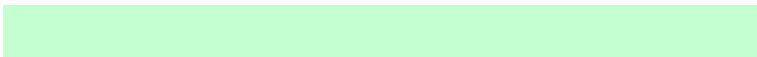
The Sweet Spot groups the original color and five complimentary colors.



83.6589, 0.2774, 0.3172



94.6690, 0.3018, 0.3257



87.7449, 0.3037, 0.3821



20.1681, 0.3009, 0.3254



0.0000, 0.0000, 0.0000

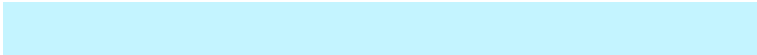


21.4041, 0.3127, 0.3290

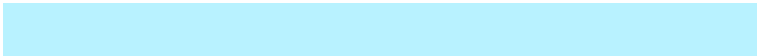


# Same Dimension

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



83.6589, 0.2774, 0.3172



80.6935, 0.2704, 0.3145



67.3765, 0.2748, 0.2848



19.8727, 0.2980, 0.3245



27.4339, 0.2078, 0.2682



2.8131, 0.2100, 0.2759



# Inverse Universe

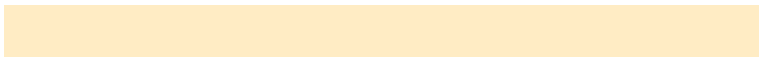
The Inverse Universe completely reimagines the original color for something new.



67.2544, 0.3234, 0.2813



61.7685, 0.3260, 0.2711



85.4099, 0.3517, 0.3696



18.2390, 0.3167, 0.3099



13.4974, 0.3746, 0.1837

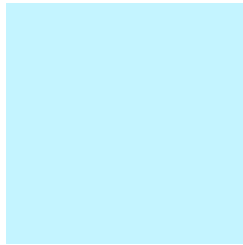


1.3285, 0.3673, 0.1797



# Previews

## White Background



This preview shows how the Yxy color 83.6571, 0.2774, 0.3172 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

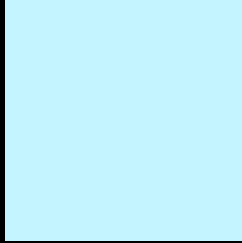
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.6571, 0.2774, 0.3172 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 83.6571, 0.2774, 0.3172**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.6571, 0.2774, 0.3172.

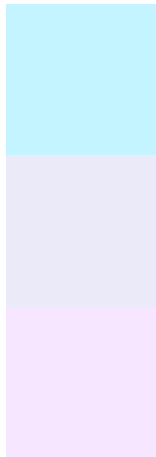


This preview shows how white text looks on a background with the Yxy color 83.6571, 0.2774, 0.3172.

# 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

83.6571, 0.2774, 0.3172

### Protanopia

83.3474, 0.3042, 0.3138

### Deuteranopia

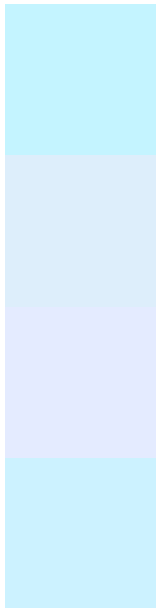
83.4065, 0.3078, 0.3044



## Tritanopia

83.6859, 0.2847, 0.3143

# Trichromacy



**Original Color**

83.6571, 0.2774, 0.3172

**Protanomaly**

83.4863, 0.2941, 0.3156

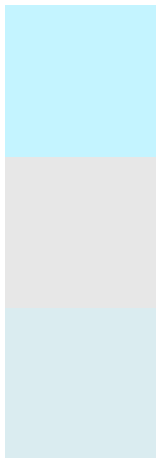
**Deuteranomaly**

83.1306, 0.2961, 0.3087

**Tritanomaly**

83.5616, 0.2818, 0.3152

# Monochromacy



**Original Color**

83.6571, 0.2774, 0.3172

**Achromatopsia**

79.9103, 0.3127, 0.3290

**Achromatomaly**

81.1876, 0.2985, 0.3248

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.6571, 0.2774, 0.3172 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, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 244, 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(196, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 244, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 83.6571, 0.2774, 0.3172 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, 244, 255) }
```

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

```
.border{ border-color:rgb(196, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 244,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.6571, 0.2774, 0.3172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 244, 255) }
```

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

```
.background{ background-color: rgb(196,  
244, 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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