

# Converting Colors

Yxy(85.5918, 0.2614, 0.2821)

Have a look what the booklet for  
Yxy(85.5918, 0.2614, 0.2821)  
contains.

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# Color

**Yxy(83.3270, 0.2785, 0.3162)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6F3FF
RGB	198, 243, 255
RGB Percent	78%, 95%, 100%
CMY	0.2234, 0.0471, 0.0001
CMYK	0.22, 0.05, 0.00, 0.00
HSL	193°, 100%, 89%
HSV	193°, 22%, 100%
XYZ	73.3921, 83.3270, 106.8072
YIQ	230.9130, -30.6720, -5.8080

# Conversions

## Conversions Part 2

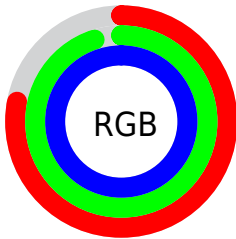
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 223, 255
Decimal	13038591
CIE <sub>Lab</sub>	93.16, -11.79, -10.52
CIE <sub>LCh</sub>	93, 15.803, 221.728
Yxy	83.3270, 0.2785, 0.3162
Android (android.graphics.Color)	4291228671 (0xFFC6F3FF)
YUV	230.9130, 11.8749, -28.8647
Hunter-Lab	91.2836, -16.2323, -5.4742

# Details

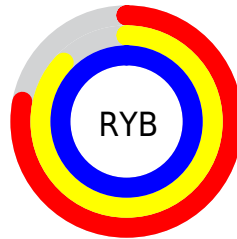
The Yxy color **83.3270, 0.2785, 0.3162** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.4339, 0.3560, 0.3414**, and the grayscale version is **79.7753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4575, 0.2712, 0.3138** is the 20% darker color. If you saturate the color by 10%, you get **76.9875, 0.2640, 0.3097**, and if you desaturate by 10%, it is **90.3504, 0.2936, 0.3223**.

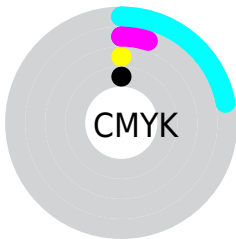
# Distribution



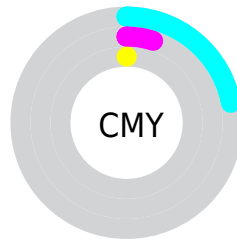
- Red (78%)
- Green (95%)
- Blue (100%)



- Red (78%)
- Yellow (87%)
- Blue (100%)



- Cyan (22%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3270, 0.2785, 0.3162 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 83.3270, 0.2785, 0.3162 by changing the saturation by 10% instead.



83.3270, 0.2785,  
0.3162

83.3270, 0.2785,  
0.3162

506.0757, 0.2938,  
0.3222

62.4599, 0.2751,  
0.3148

138.0334, 0.2837,  
0.3183

45.4045, 0.2710,  
0.3131

172.6415, 0.2857,  
0.3191

31.7761, 0.2660,  
0.3110

212.5987, 0.2875,  
0.3198

21.1906, 0.2595,  
0.3081

258.2894, 0.2891,  
0.3204

13.2634, 0.2509,  
0.3043

310.0981, 0.2905,  
0.3209

7.6101, 0.2391,  
0.2988

368.4091, 0.2917,

3.8465, 0.2219,

0.3214

0.2902

433.6069, 0.2928,  
0.3218

1.5881, 0.1947,  
0.2753

0.3495, 0.0292,  
0.2303

83.3270, 0.2785,  
0.3162

83.3270, 0.2785,  
0.3162

76.9875, 0.2640,  
0.3097

90.3504, 0.2936,  
0.3223

71.2917, 0.2506,  
0.3027

98.0754, 0.3091,  
0.3278

66.2105, 0.2384,  
0.2953

99.9989, 0.3127,  
0.3290

61.7083, 0.2278,  
0.2877

■ 57.7450, 0.2192,  
0.2799

■ 54.2746, 0.2124,  
0.2721

■ 51.2417, 0.2077,  
0.2643

■ 49.1509, 0.2051,  
0.2584

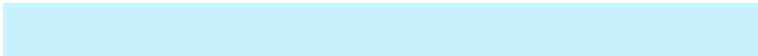
# Harmonies

## Analogous

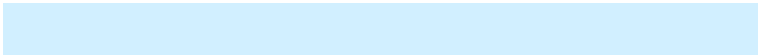
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3270, 0.2861, 0.3327



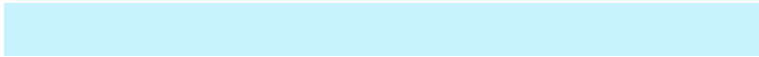
83.3270, 0.2785, 0.3162



83.3270, 0.2798, 0.3038

# Triad

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



83.3270, 0.2785, 0.3162



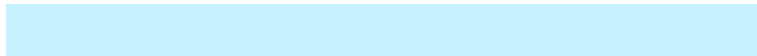
83.3270, 0.3242, 0.3104



83.3270, 0.3358, 0.3606

# Complementary

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



83.3270, 0.2785, 0.3162



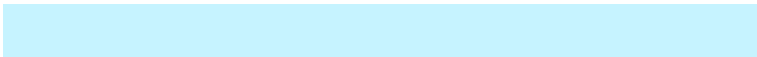
71.4339, 0.3560, 0.3414

# 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.



83.3270, 0.3466, 0.3534



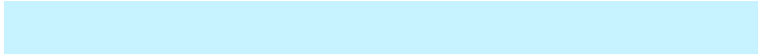
83.3270, 0.2785, 0.3162



83.3270, 0.3399, 0.3245

# Square

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



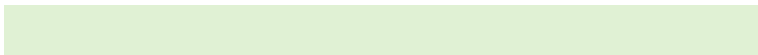
83.3270, 0.2785, 0.3162



83.3270, 0.3057, 0.3010



83.3270, 0.3482, 0.3401

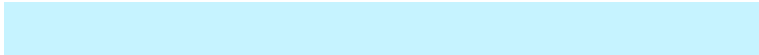


83.3270, 0.3189, 0.3591

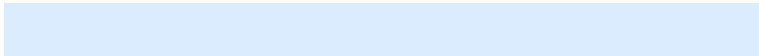


# Rectangle

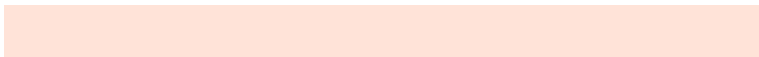
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



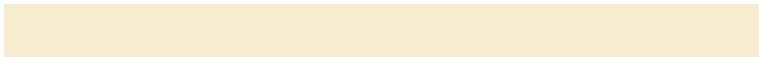
83.3270, 0.2785, 0.3162



83.3270, 0.2854, 0.2994



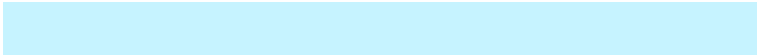
83.3270, 0.3482, 0.3401



83.3270, 0.3403, 0.3591

# Sweetspot

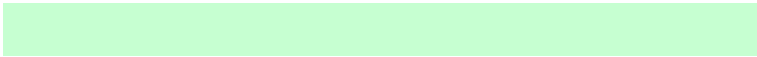
The Sweet Spot groups the original color and five complimentary colors.



83.3304, 0.2785, 0.3162



94.3977, 0.3018, 0.3253



88.1429, 0.3035, 0.3789



20.1052, 0.3009, 0.3249



0.0000, 0.0000, 0.0000

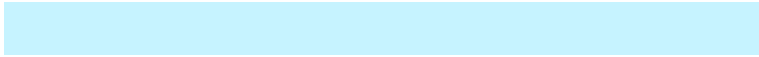


21.4041, 0.3127, 0.3290

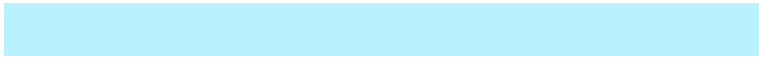


# Same Dimension

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



83.3304, 0.2785, 0.3162



80.3021, 0.2717, 0.3132



67.8883, 0.2762, 0.2855



19.7944, 0.2980, 0.3239



25.9108, 0.2055, 0.2597



2.6776, 0.2079, 0.2685



# Inverse Universe

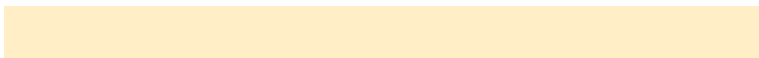
The Inverse Universe completely reimagines the original color for something new.



68.1294, 0.3239, 0.2844



62.7630, 0.3267, 0.2748



86.4242, 0.3500, 0.3690



18.2311, 0.3170, 0.3104



13.3437, 0.3827, 0.1882

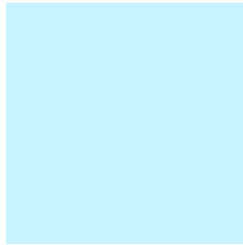


1.3148, 0.3742, 0.1835



# Previews

## White Background



This preview shows how the Yxy color 83.3270, 0.2785, 0.3162 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

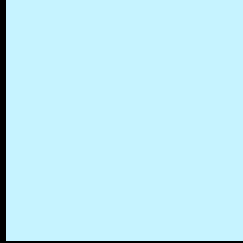
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.3270, 0.2785, 0.3162 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

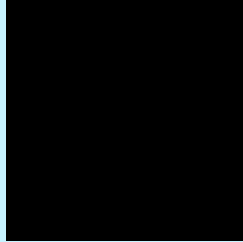
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.3270, 0.2785, 0.3162**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.3270, 0.2785, 0.3162.

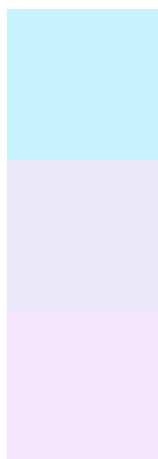


This preview shows how white text looks on a background with the Yxy color 83.3270, 0.2785, 0.3162.

# 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

83.3270, 0.2785, 0.3162

### Protanopia

82.7795, 0.3042, 0.3128

### Deuteranopia

82.6711, 0.3072, 0.3033



## Tritanopia

83.0955, 0.2846, 0.3133

# Trichromacy



## Original Color

83.3270, 0.2785, 0.3162

## Protanomaly

83.0630, 0.2947, 0.3145

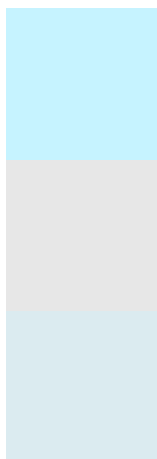
## Deuteranomaly

82.5596, 0.2961, 0.3076

## Tritanomaly

83.1097, 0.2823, 0.3142

# Monochromacy



## Original Color

83.3270, 0.2785, 0.3162

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

80.7680, 0.2992, 0.3237

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.3270, 0.2785, 0.3162 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(198, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 243, 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(198, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 243, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 83.3270, 0.2785, 0.3162 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(198, 243, 255) }
```

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

```
.border{ border-color:rgb(198, 243, 255) }
```

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

Here you see how a box with a 4 pixel rgb(198, 243, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 243,  
255) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 83.3270, 0.2785, 0.3162$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 243, 255) }
```

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

```
.background{ background-color: rgb(198,  
243, 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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