

# Converting Colors

$Yxy(88.4858, 0.2596, 0.2756)$

Have a look what the booklet for  
Yxy(88.4858, 0.2596, 0.2756)  
contains.

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# Color

**Yxy(85.2213, 0.2815, 0.3184)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBF5FF
RGB	203, 245, 255
RGB Percent	80%, 96%, 100%
CMY	0.2037, 0.0393, 0.0000
CMYK	0.20, 0.04, 0.00, 0.00
HSL	192°, 100%, 90%
HSV	192°, 20%, 100%
XYZ	75.3448, 85.2213, 107.0887
YIQ	233.5820, -28.2420, -5.7940

# Conversions

## Conversions Part 2

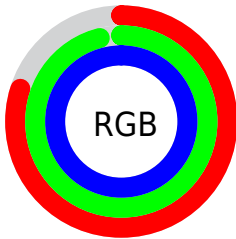
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 226, 255
Decimal	13366783
CIE Lab	93.98, -11.30, -9.28
CIE LCh	94, 14.620, 219.387
Yxy	85.2213, 0.2815, 0.3184
Android (android.graphics.Color)	4291556863 (0xFFCBF5FF)
YUV	233.5820, 10.5591, -26.8204
Hunter-Lab	92.3154, -15.8660, -4.1575

# Details

The Yxy color **85.2213, 0.2815, 0.3184** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.2039, 0.3516, 0.3393**, and the grayscale version is **81.8924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.7683, 0.2749, 0.3167** is the 20% darker color. If you saturate the color by 10%, you get **78.9975, 0.2670, 0.3125**, and if you desaturate by 10%, it is **92.1193, 0.2967, 0.3239**.

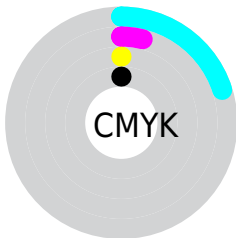
# Distribution



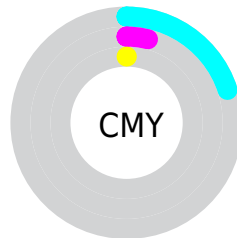
- Red (80%)
- Green (96%)
- Blue (100%)



- Red (80%)
- Yellow (89%)
- Blue (100%)



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



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.2213, 0.2815, 0.3184 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 85.2213, 0.2815, 0.3184 by changing the saturation by 10% instead.



85.2213, 0.2815,  
0.3184

85.2213, 0.2815,  
0.3184

512.3601, 0.2954,  
0.3233

64.0243, 0.2784,  
0.3173

140.6823, 0.2862,  
0.3201

46.6703, 0.2747,  
0.3159

175.7151, 0.2881,  
0.3208

32.7751, 0.2701,  
0.3141

216.1285, 0.2897,  
0.3214

21.9542, 0.2643,  
0.3118

262.3071, 0.2911,  
0.3219

13.8233, 0.2565,  
0.3086

314.6351, 0.2924,  
0.3223

7.9978, 0.2459,  
0.3041

373.4970, 0.2935,

4.0936, 0.2304,

0.3227

0.2971

439.2772, 0.2945,  
0.3230

1.7260, 0.2058,  
0.2850

0.4404, 0.0830,  
0.2559

85.2213, 0.2815,  
0.3184

85.2213, 0.2815,  
0.3184

78.9975, 0.2670,  
0.3125

92.1193, 0.2967,  
0.3239

73.4091, 0.2535,  
0.3062

99.7094, 0.3121,  
0.3288

68.4274, 0.2412,  
0.2995

100.0000, 0.3127,  
0.3290

64.0177, 0.2306,  
0.2926

■ 60.1411, 0.2217,  
0.2856

■ 56.7532, 0.2149,  
0.2785

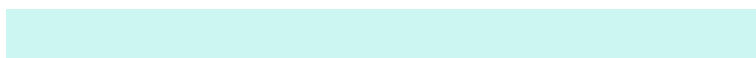
■ 53.8010, 0.2100,  
0.2714

■ 51.2870, 0.2069,  
0.2647

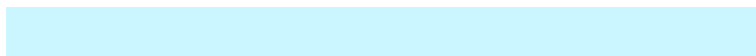
# Harmonies

## Analogous

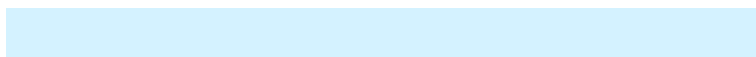
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2213, 0.2891, 0.3337



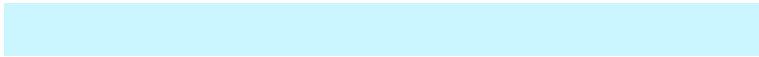
85.2213, 0.2815, 0.3184



85.2213, 0.2820, 0.3066

# Triad

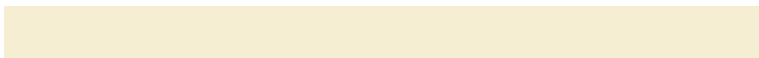
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.2213, 0.2815, 0.3184



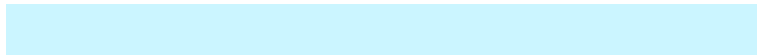
85.2213, 0.3220, 0.3110



85.2213, 0.3350, 0.3578

# Complementary

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



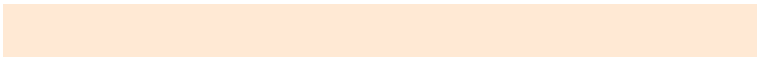
85.2213, 0.2815, 0.3184



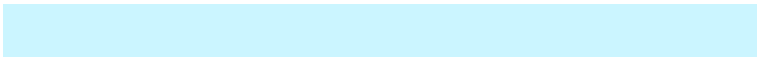
73.2039, 0.3516, 0.3393

# 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.



85.2213, 0.3443, 0.3507



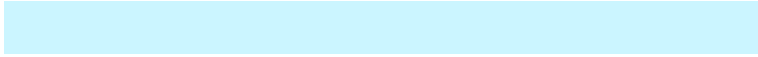
85.2213, 0.2815, 0.3184



85.2213, 0.3367, 0.3238

# Square

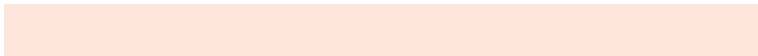
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.2213, 0.2815, 0.3184



85.2213, 0.3050, 0.3028



85.2213, 0.3450, 0.3382

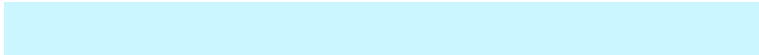


85.2213, 0.3198, 0.3570

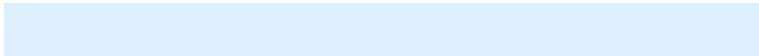


# Rectangle

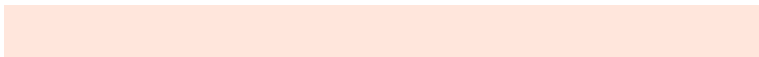
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



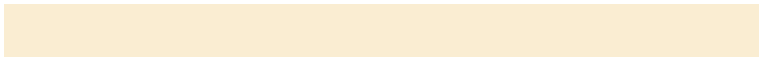
85.2213, 0.2815, 0.3184



85.2213, 0.2869, 0.3021



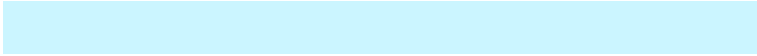
85.2213, 0.3450, 0.3382



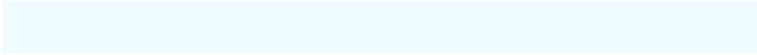
85.2213, 0.3389, 0.3562

# Sweetspot

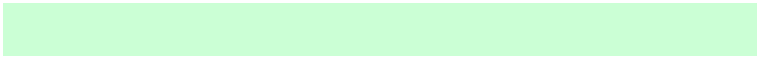
The Sweet Spot groups the original color and five complimentary colors.



85.2245, 0.2815, 0.3184



95.3454, 0.3034, 0.3261



89.0095, 0.3048, 0.3749



20.3027, 0.3024, 0.3258



0.0000, 0.0000, 0.0000

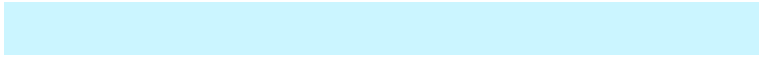


21.4041, 0.3127, 0.3290

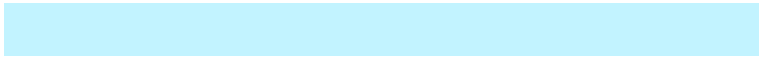


# Same Dimension

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



85.2245, 0.2815, 0.3184



82.8852, 0.2761, 0.3163



70.8578, 0.2797, 0.2907



19.8512, 0.2980, 0.3243



27.0102, 0.2072, 0.2659



2.7754, 0.2094, 0.2738



# Inverse Universe

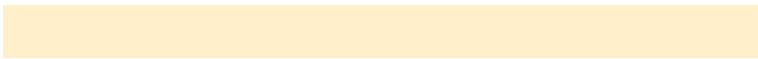
The Inverse Universe completely reimagines the original color for something new.



70.5965, 0.3221, 0.2875



66.2379, 0.3241, 0.2799



87.0480, 0.3466, 0.3645



18.2368, 0.3168, 0.3100



13.4547, 0.3768, 0.1849

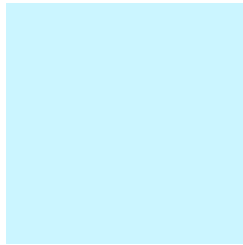


1.3247, 0.3692, 0.1807



# Previews

## White Background



This preview shows how the Yxy color 85.2213, 0.2815, 0.3184 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

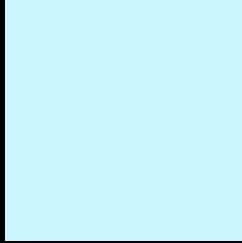
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.2213, 0.2815, 0.3184 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

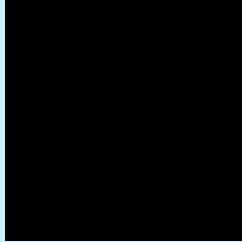
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.2213, 0.2815, 0.3184**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.2213, 0.2815, 0.3184.

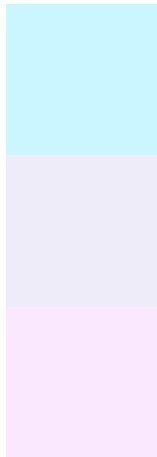


This preview shows how white text looks on a background with the Yxy color 85.2213, 0.2815, 0.3184.

# 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

85.2213, 0.2815, 0.3184

### Protanopia

85.0076, 0.3061, 0.3160

### Deuteranopia

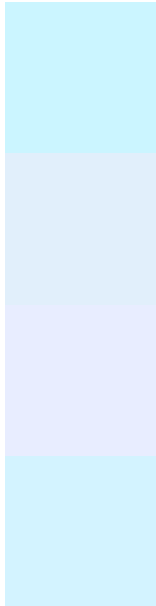
85.0730, 0.3098, 0.3065



## Tritanopia

85.3232, 0.2889, 0.3155

# Trichromacy



**Original Color**

85.2213, 0.2815, 0.3184

**Protanomaly**

84.7056, 0.2966, 0.3167

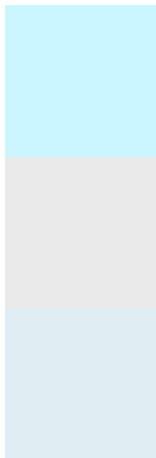
**Deuteranomaly**

84.9442, 0.2987, 0.3109

**Tritanomaly**

85.1701, 0.2860, 0.3165

# Monochromacy



**Original Color**

85.2213, 0.2815, 0.3184

**Achromatopsia**

82.2786, 0.3127, 0.3290

**Achromatomaly**

83.2479, 0.3006, 0.3248

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.2213, 0.2815, 0.3184 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(203, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 245, 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(203, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 245, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 85.2213, 0.2815, 0.3184 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(203, 245, 255) }
```

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

```
.border{ border-color:rgb(203, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 245,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.2213, 0.2815, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 245, 255) }
```

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

```
.background{ background-color: rgb(203,  
245, 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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