

# Converting Colors

$Y_{xy}(85.5015, 0.2836, 0.3200)$

Have a look what the booklet for  
Yxy(85.5015, 0.2836, 0.3200)  
contains.

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# Color

**Yxy(85.4397, 0.2831, 0.3195)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDF5FE
RGB	205, 245, 254
RGB Percent	80%, 96%, 100%
CMY	0.1963, 0.0391, 0.0039
CMYK	0.19, 0.04, 0.00, 0.00
HSL	191°, 96%, 90%
HSV	191°, 19%, 100%
XYZ	75.7057, 85.4397, 106.2715
YIQ	234.0660, -26.7290, -5.6810

# Conversions

## Conversions Part 2

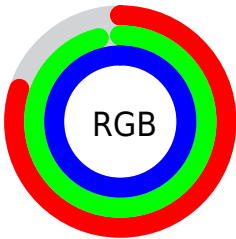
Format	Color
R <sub>Y</sub> B	205, 227, 254
Decimal	13497854
CIE Lab	94.07, -10.97, -8.61
CIE LCh	94, 13.942, 218.130
Yxy	85.4397, 0.2831, 0.3195
Android (android.graphics.Color)	4291687934 (0xFFCDF5FE)
YUV	234.0660, 9.8275, -25.4909
Hunter-Lab	92.4336, -15.5623, -3.4626

# Details

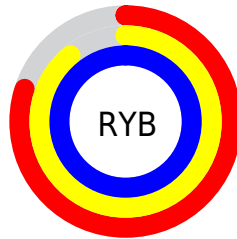
The Yxy color **85.4397, 0.2831, 0.3195** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.5310, 0.3493, 0.3383**, and the grayscale version is **82.2654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9104, 0.2770, 0.3181** is the 20% darker color. If you saturate the color by 10%, you get **79.3410, 0.2686, 0.3139**, and if you desaturate by 10%, it is **92.2024, 0.2983, 0.3246**.

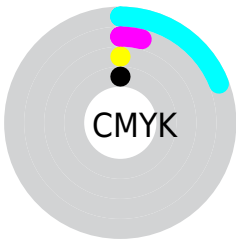
# Distribution



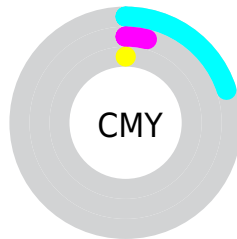
- Red (80%)
- Green (96%)
- Blue (100%)



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



- Cyan (19%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.4397, 0.2831, 0.3195 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 85.4397, 0.2831, 0.3195 by changing the saturation by 10% instead.



85.4397, 0.2831,  
0.3195

85.4397, 0.2831,  
0.3195

513.0819, 0.2963,  
0.3239

64.2048, 0.2802,  
0.3185

140.9873, 0.2876,  
0.3210

46.8165, 0.2767,  
0.3172

176.0688, 0.2894,  
0.3216

32.8906, 0.2723,  
0.3156

216.5346, 0.2909,  
0.3222

22.0427, 0.2667,  
0.3136

262.7691, 0.2922,  
0.3226

13.8883, 0.2594,  
0.3107

315.1567, 0.2934,  
0.3230

8.0430, 0.2493,  
0.3067

374.0817, 0.2945,

4.1225, 0.2345,

0.3233

0.3004

439.9287, 0.2954,  
0.3237

1.7423, 0.2110,  
0.2894

0.4508, 0.0940,  
0.2636

85.4397, 0.2831,  
0.3195

85.4397, 0.2831,  
0.3195

79.3410, 0.2686,  
0.3139

92.2024, 0.2983,  
0.3246

73.8672, 0.2550,  
0.3080

99.5054, 0.3133,  
0.3293

68.9905, 0.2427,  
0.3017

99.9362, 0.3133,  
0.3299

64.6769, 0.2320,  
0.2952

■ 60.8887, 0.2231,  
0.2886

■ 57.5824, 0.2162,  
0.2818

■ 54.7069, 0.2113,  
0.2751

■ 52.1842, 0.2080,  
0.2686

■ 52.0188, 0.2078,  
0.2681

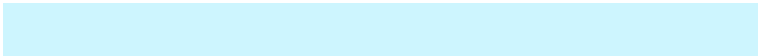
# Harmonies

## Analogous

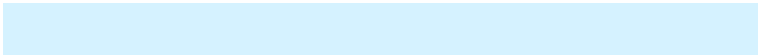
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4397, 0.2906, 0.3341



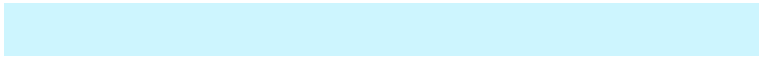
85.4397, 0.2831, 0.3195



85.4397, 0.2832, 0.3080

# Triad

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



85.4397, 0.2831, 0.3195



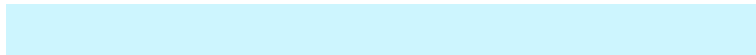
85.4397, 0.3209, 0.3114



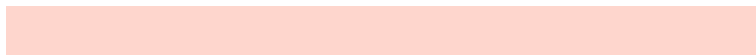
85.4397, 0.3344, 0.3563

# Complementary

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



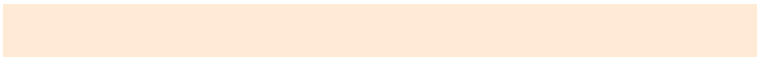
85.4397, 0.2831, 0.3195



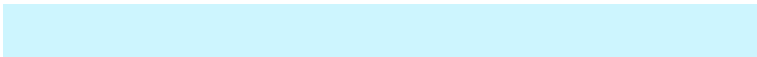
73.5310, 0.3493, 0.3383

# 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.



85.4397, 0.3430, 0.3493



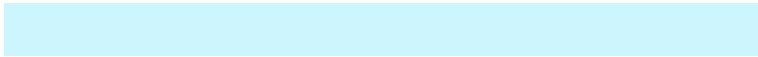
85.4397, 0.2831, 0.3195



85.4397, 0.3351, 0.3235

# Square

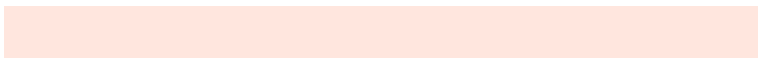
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.4397, 0.2831, 0.3195



85.4397, 0.3047, 0.3038



85.4397, 0.3433, 0.3372



85.4397, 0.3201, 0.3558

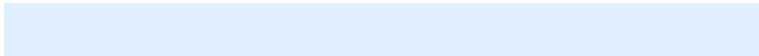


# Rectangle

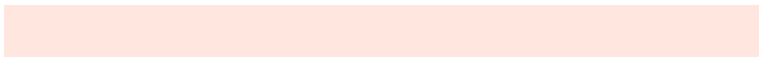
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



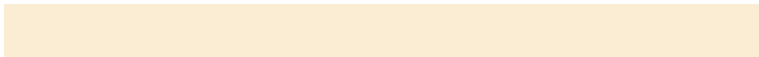
85.4397, 0.2831, 0.3195



85.4397, 0.2877, 0.3035



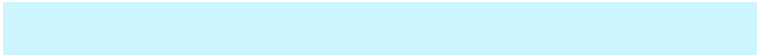
85.4397, 0.3433, 0.3372



85.4397, 0.3381, 0.3547

# Sweetspot

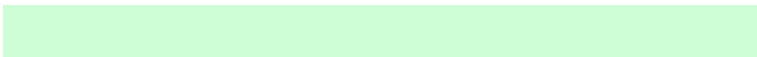
The Sweet Spot groups the original color and five complimentary colors.



85.4432, 0.2831, 0.3195



95.4380, 0.3034, 0.3262



88.6679, 0.3057, 0.3732



20.3246, 0.3024, 0.3259



0.0000, 0.0000, 0.0000

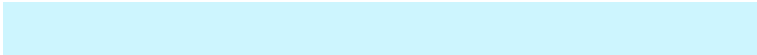


21.4041, 0.3127, 0.3290

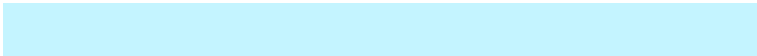


# Same Dimension

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



85.4432, 0.2831, 0.3195



83.8601, 0.2777, 0.3175



71.9942, 0.2816, 0.2938



19.8823, 0.2980, 0.3245



27.6251, 0.2081, 0.2692



2.8300, 0.2102, 0.2767



# Inverse Universe

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



71.2982, 0.3212, 0.2893



67.4453, 0.3231, 0.2815



86.4222, 0.3448, 0.3618



18.2399, 0.3166, 0.3098



13.5167, 0.3736, 0.1832

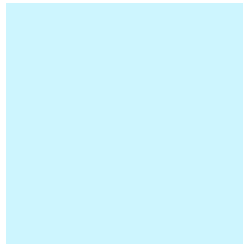


1.3302, 0.3665, 0.1793



# Previews

## White Background



This preview shows how the Yxy color 85.4397, 0.2831, 0.3195 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

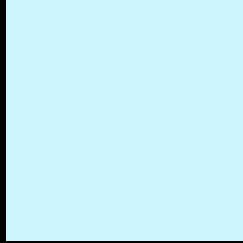
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.4397, 0.2831, 0.3195 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

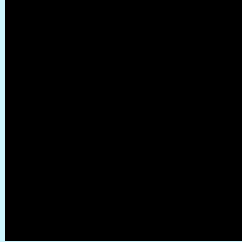
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.4397, 0.2831, 0.3195**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.4397, 0.2831, 0.3195.

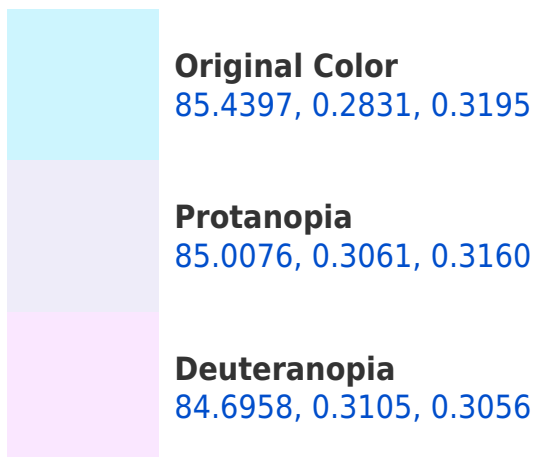


This preview shows how white text looks on a background with the Yxy color 85.4397, 0.2831, 0.3195.

# 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

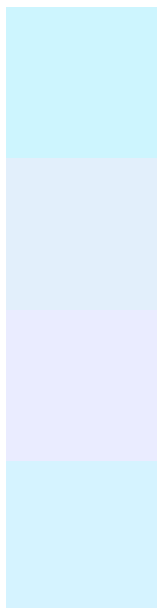




## Tritanopia

85.4760, 0.2895, 0.3156

# Trichromacy



## Original Color

85.4397, 0.2831, 0.3195

## Protanomaly

84.8668, 0.2972, 0.3167

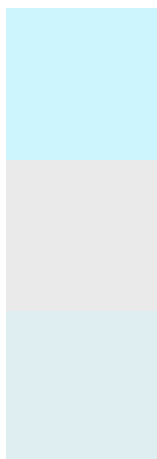
## Deuteranomaly

84.7033, 0.2999, 0.3099

## Tritanomaly

85.4673, 0.2872, 0.3165

# Monochromacy



## Original Color

85.4397, 0.2831, 0.3195

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

83.1879, 0.3012, 0.3259

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.4397, 0.2831, 0.3195 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(205, 245, 254)` looks like.

```
.text, #text, p{  
    color:rgb(205, 245, 254)  
}
```

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(205, 245, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 245, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 85.4397, 0.2831, 0.3195 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(205, 245, 254) }
```

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

```
.border{ border-color:rgb(205, 245, 254) }
```

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

Here you see how a box with a 4 pixel rgb(205, 245, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 245, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 245, 254);  
box-shadow:4px 4px 4px 4px rgb(205, 245,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.4397, 0.2831, 0.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 245, 254) }
```

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

```
.background{ background-color: rgb(205,  
245, 254) }
```

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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