

# Converting Colors

Yxy(85.0443, 0.2856, 0.3166)

Have a look what the booklet for  
Yxy(85.0443, 0.2856, 0.3166)  
contains.

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# Color

**Yxy(85.0228, 0.2854, 0.3164)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2F3FF
RGB	210, 243, 255
RGB Percent	82%, 95%, 100%
CMY	0.1763, 0.0471, 0.0000
CMYK	0.18, 0.05, 0.00, 0.00
HSL	196°, 100%, 91%
HSV	196°, 18%, 100%
XYZ	76.6925, 85.0228, 107.0040
YIQ	234.5010, -23.5200, -3.2640

# Conversions

## Conversions Part 2

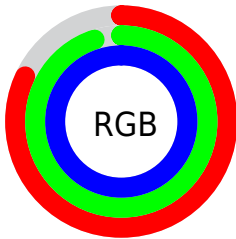
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 229, 255
Decimal	13825023
CIE Lab	93.89, -8.19, -9.37
CIE LCh	94, 12.446, 228.855
Yxy	85.0228, 0.2854, 0.3164
Android (android.graphics.Color)	4292015103 (0xFFD2F3FF)
YUV	234.5010, 10.1060, -21.4874
Hunter-Lab	92.2078, -12.8989, -4.2586

# Details

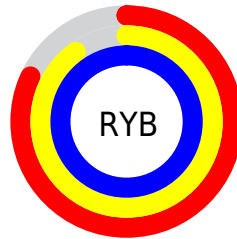
The Yxy color **85.0228, 0.2854, 0.3164** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.1880, 0.3448, 0.3412**, and the grayscale version is **82.6202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.5864, 0.2797, 0.3141** is the 20% darker color. If you saturate the color by 10%, you get **77.5716, 0.2703, 0.3084**, and if you desaturate by 10%, it is **93.2243, 0.3009, 0.3238**.

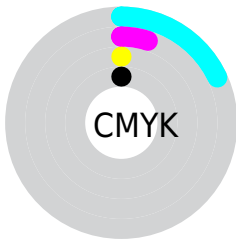
# Distribution



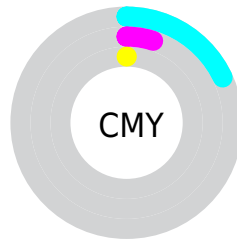
- Red (82%)
- Green (95%)
- Blue (100%)



- Red (82%)
- Yellow (90%)
- Blue (100%)



- Cyan (18%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.0228, 0.2854, 0.3164 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 85.0228, 0.2854, 0.3164 by changing the saturation by 10% instead.



85.0228, 0.2854,  
0.3164

85.0228, 0.2854,  
0.3164

511.7035, 0.2976,  
0.3222

63.8602, 0.2827,  
0.3151

140.4050, 0.2895,  
0.3184

46.5375, 0.2795,  
0.3135

175.3935, 0.2912,  
0.3192

32.6702, 0.2754,  
0.3114

215.7593, 0.2926,  
0.3199

21.8739, 0.2702,  
0.3088

261.8870, 0.2938,  
0.3204

13.7643, 0.2634,  
0.3053

314.1608, 0.2949,  
0.3210

7.9569, 0.2540,  
0.3002

372.9653, 0.2959,

4.0674, 0.2402,

0.3214

0.2925

438.6847, 0.2968,  
0.3218

1.7113, 0.2182,  
0.2795

0.4310, 0.1182,  
0.2429

85.0228, 0.2854,  
0.3164

85.0228, 0.2854,  
0.3164

77.5716, 0.2703,  
0.3084

93.2243, 0.3009,  
0.3238

70.8370, 0.2558,  
0.2996

100.0000, 0.3127,  
0.3290

64.7881, 0.2424,  
0.2904

59.3901, 0.2303,  
0.2806

■ 54.6043, 0.2199,  
0.2706

■ 50.3867, 0.2114,  
0.2605

■ 46.6862, 0.2049,  
0.2503

■ 43.4356, 0.2004,  
0.2403

■ 42.7079, 0.1994,  
0.2380

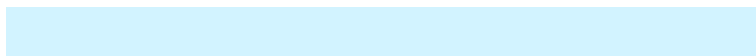
# Harmonies

## Analogous

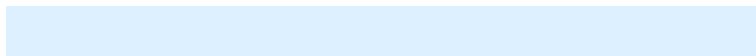
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0228, 0.2898, 0.3288



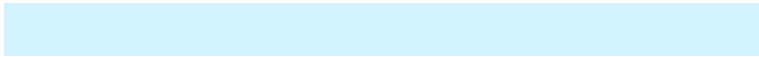
85.0228, 0.2854, 0.3164



85.0228, 0.2881, 0.3078

# Triad

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



85.0228, 0.2854, 0.3164



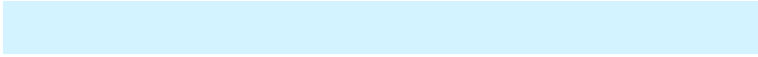
85.0228, 0.3250, 0.3168



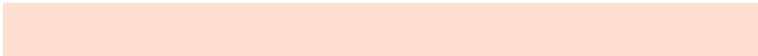
85.0228, 0.3280, 0.3540

# Complementary

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



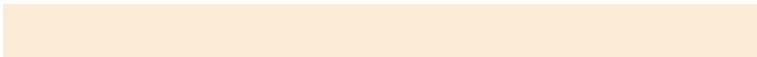
85.0228, 0.2854, 0.3164



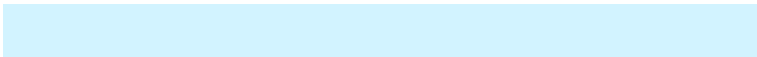
78.1880, 0.3448, 0.3412

# Split Complementary

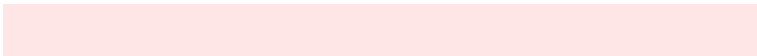
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.0228, 0.3378, 0.3501



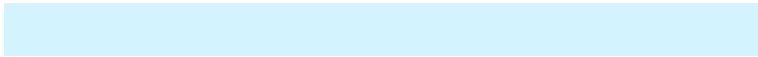
85.0228, 0.2854, 0.3164



85.0228, 0.3361, 0.3285

# Square

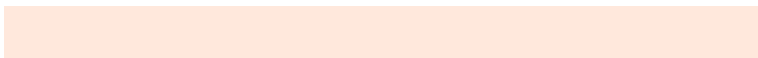
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.0228, 0.2854, 0.3164



85.0228, 0.3107, 0.3082



85.0228, 0.3408, 0.3406

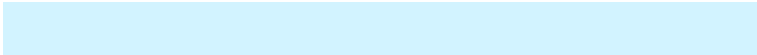


85.0228, 0.3142, 0.3510

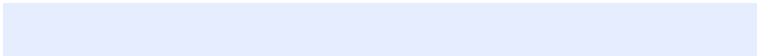


# Rectangle

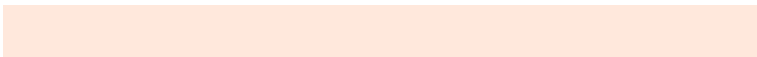
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



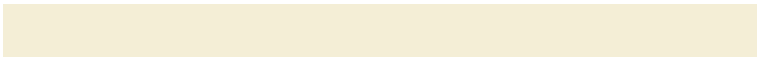
85.0228, 0.2854, 0.3164



85.0228, 0.2936, 0.3052



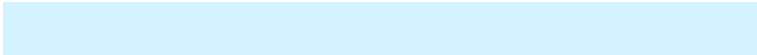
85.0228, 0.3408, 0.3406



85.0228, 0.3319, 0.3534

# Sweetspot

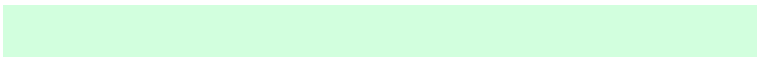
The Sweet Spot groups the original color and five complimentary colors.



85.0241, 0.2854, 0.3164



95.5074, 0.3050, 0.3257



90.5043, 0.3038, 0.3640



20.3108, 0.3039, 0.3252



0.0000, 0.0000, 0.0000

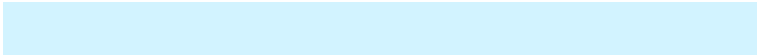


21.4041, 0.3127, 0.3290

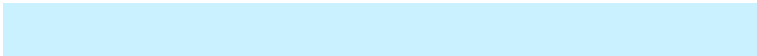


# Same Dimension

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



85.0241, 0.2854, 0.3164



82.4295, 0.2803, 0.3138



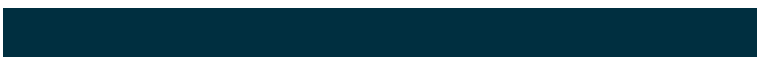
72.3968, 0.2842, 0.2923



19.6121, 0.2980, 0.3225



22.5746, 0.1999, 0.2396



2.3780, 0.2031, 0.2510



# Inverse Universe

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



73.8469, 0.3230, 0.2964



69.5760, 0.3254, 0.2900



90.9248, 0.3410, 0.3632



18.2127, 0.3179, 0.3117



13.0069, 0.4027, 0.1992

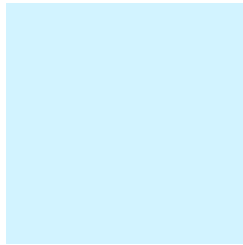


1.2846, 0.3912, 0.1929



# Previews

## White Background



This preview shows how the Yxy color 85.0228, 0.2854, 0.3164 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

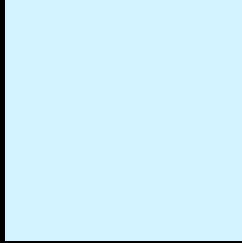
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.0228, 0.2854, 0.3164 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

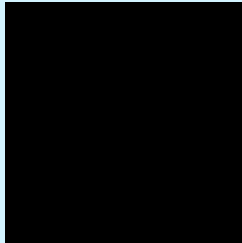
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

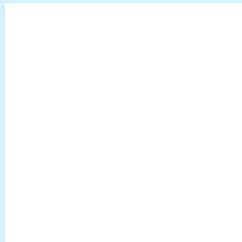
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.0228, 0.2854, 0.3164**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.0228, 0.2854, 0.3164.



This preview shows how white text looks on a background with the Yxy color 85.0228, 0.2854, 0.3164.

# 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

85.0228, 0.2854, 0.3164

### Protanopia

84.8976, 0.3048, 0.3149

### Deuteranopia

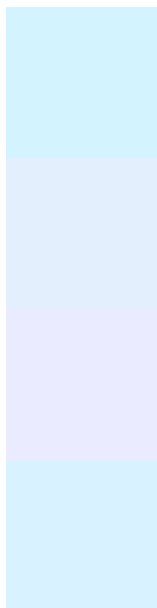
84.5116, 0.3098, 0.3055



## Tritanopia

85.1907, 0.2907, 0.3146

# Trichromacy



## Original Color

85.0228, 0.2854, 0.3164

## Protanomaly

85.0922, 0.2973, 0.3157

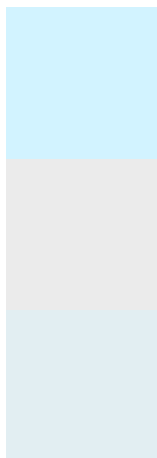
## Deuteranomaly

84.2988, 0.3006, 0.3089

## Tritanomaly

85.3232, 0.2889, 0.3155

# Monochromacy



## Original Color

85.0228, 0.2854, 0.3164

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

83.7286, 0.3025, 0.3248

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.0228, 0.2854, 0.3164 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(210, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 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(210, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 243, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 85.0228, 0.2854, 0.3164 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(210, 243, 255) }
```

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

```
.border{ border-color:rgb(210, 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(210, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 243,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.0228, 0.2854, 0.3164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 243, 255) }
```

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

```
.background{ background-color: rgb(210,  
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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