

# Converting Colors

$Yxy(85.9264, 0.2863, 0.3115)$

Have a look what the booklet for  
Yxy(85.9264, 0.2863, 0.3115)  
contains.

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# Color

**Yxy(85.9201, 0.2889, 0.3166)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8F3FF
RGB	216, 243, 255
RGB Percent	85%, 95%, 100%
CMY	0.1532, 0.0470, 0.0000
CMYK	0.15, 0.05, 0.00, 0.00
HSL	198°, 100%, 92%
HSV	198°, 15%, 100%
XYZ	78.4028, 85.9201, 107.0609
YIQ	236.2950, -19.9440, -1.9920

# Conversions

## Conversions Part 2

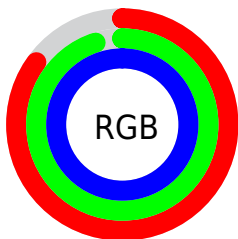
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 232, 255
Decimal	14218239
CIE Lab	94.28, -6.41, -8.74
CIE LCh	94, 10.844, 233.734
Yxy	85.9201, 0.2889, 0.3166
Android (android.graphics.Color)	4292408319 (0xFFD8F3FF)
YUV	236.2950, 9.2216, -17.7987
Hunter-Lab	92.6931, -11.2319, -3.5950

# Details

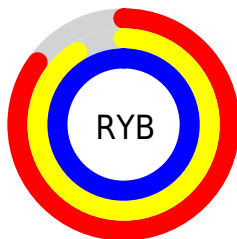
The Yxy color **85.9201, 0.2889, 0.3166** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.6462, 0.3398, 0.3411**, and the grayscale version is **84.0508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.1949, 0.2841, 0.3143** is the 20% darker color. If you saturate the color by 10%, you get **77.7587, 0.2735, 0.3075**, and if you desaturate by 10%, it is **94.8900, 0.3045, 0.3249**.

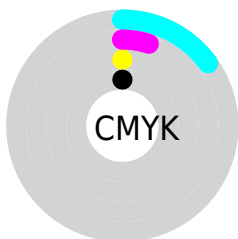
# Distribution



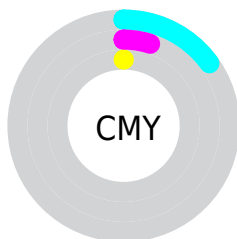
- Red (85%)
- Green (95%)
- Blue (100%)



- Red (85%)
- Yellow (91%)
- Blue (100%)



- Cyan (15%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.9201, 0.2889, 0.3166 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 85.9201, 0.2889, 0.3166 by changing the saturation by 10% instead.



85.9201, 0.2889,  
0.3166

85.9201, 0.2889,  
0.3166

514.6677, 0.2995,  
0.3223

64.6019, 0.2866,  
0.3153

141.6580, 0.2925,  
0.3185

47.1384, 0.2837,  
0.3138

176.8465, 0.2939,  
0.3193

33.1450, 0.2802,  
0.3118

217.4272, 0.2952,  
0.3200

22.2376, 0.2757,  
0.3093

263.7845, 0.2963,  
0.3205

14.0316, 0.2697,  
0.3059

316.3028, 0.2972,  
0.3210

8.1426, 0.2615,  
0.3011

375.3665, 0.2981,

4.1863, 0.2495,

0.3215

0.2939

441.3600, 0.2988,  
0.3219

■ 1.7783, 0.2302,  
0.2817

■ 0.4736, 0.1542,  
0.2488

■ 85.9201, 0.2889,  
0.3166

■ 85.9201, 0.2889,  
0.3166

■ 77.7587, 0.2735,  
0.3075

■ 94.8900, 0.3045,  
0.3249

■ 70.3655, 0.2585,  
0.2976

100.0000, 0.3127,  
0.3290

■ 63.7114, 0.2444,  
0.2870

■ 57.7615, 0.2314,  
0.2758

■ 52.4770, 0.2200,  
0.2642

■ 47.8146, 0.2105,  
0.2524

■ 43.7240, 0.2030,  
0.2406

■ 40.1438, 0.1975,  
0.2290

■ 38.6045, 0.1955,  
0.2236

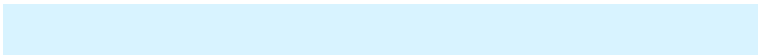
# Harmonies

## Analogous

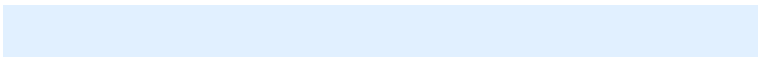
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9201, 0.2918, 0.3270



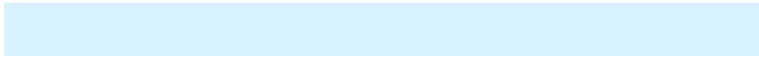
85.9201, 0.2889, 0.3166



85.9201, 0.2922, 0.3098

# Triad

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



85.9201, 0.2889, 0.3166



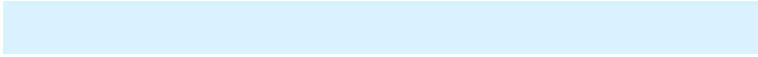
85.9201, 0.3252, 0.3199



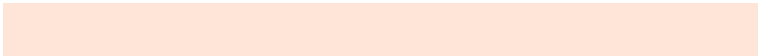
85.9201, 0.3242, 0.3507

# Complementary

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



85.9201, 0.2889, 0.3166



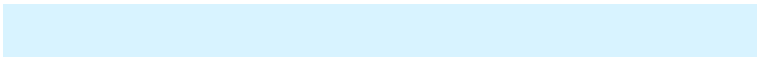
81.6462, 0.3398, 0.3411

# 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.



85.9201, 0.3335, 0.3482



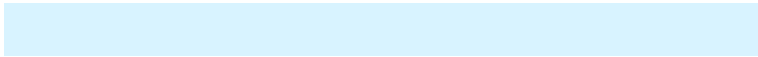
85.9201, 0.2889, 0.3166



85.9201, 0.3341, 0.3304

# Square

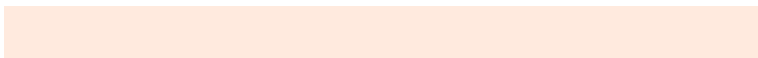
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.9201, 0.2889, 0.3166



85.9201, 0.3131, 0.3118



85.9201, 0.3371, 0.3407

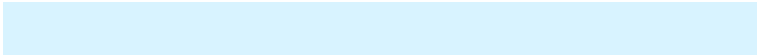


85.9201, 0.3120, 0.3471



# Rectangle

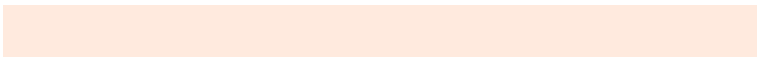
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.9201, 0.2889, 0.3166



85.9201, 0.2976, 0.3081



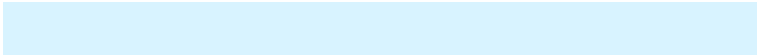
85.9201, 0.3371, 0.3407



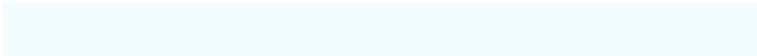
85.9201, 0.3278, 0.3505

# Sweetspot

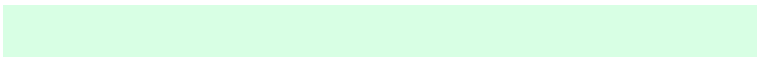
The Sweet Spot groups the original color and five complimentary colors.



85.9235, 0.2889, 0.3166



95.1936, 0.3050, 0.3252



91.6895, 0.3042, 0.3576



20.2344, 0.3039, 0.3246



0.0000, 0.0000, 0.0000

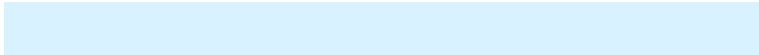


21.4041, 0.3127, 0.3290

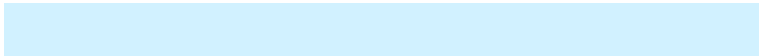


# Same Dimension

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



85.9235, 0.2889, 0.3166



83.6607, 0.2847, 0.3142



74.9794, 0.2881, 0.2962



19.4866, 0.2980, 0.3215



20.4483, 0.1960, 0.2255



2.1845, 0.1997, 0.2387



# Inverse Universe

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



76.8061, 0.3226, 0.3023



73.2569, 0.3246, 0.2975



92.8488, 0.3369, 0.3598



18.2000, 0.3185, 0.3127



12.7922, 0.4173, 0.2073

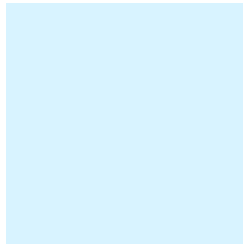


1.2651, 0.4036, 0.1997



# Previews

## White Background



This preview shows how the Yxy color 85.9201, 0.2889, 0.3166 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

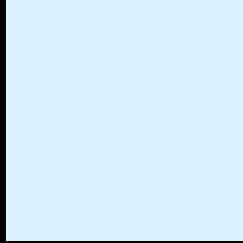
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.9201, 0.2889, 0.3166 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

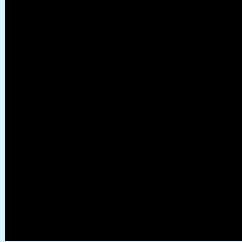
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

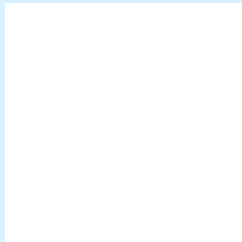
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.9201, 0.2889, 0.3166**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.9201, 0.2889, 0.3166.



This preview shows how white text looks on a background with the Yxy color 85.9201, 0.2889, 0.3166.

# 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

85.9201, 0.2889, 0.3166

### Protanopia

85.8841, 0.3055, 0.3150

### Deuteranopia

85.4425, 0.3111, 0.3066



## Tritanopia

85.8186, 0.2931, 0.3147

# Trichromacy



## Original Color

85.9201, 0.2889, 0.3166

## Protanomaly

85.7502, 0.2998, 0.3158

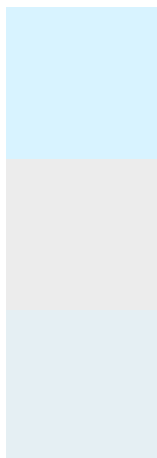
## Deuteranomaly

85.3880, 0.3025, 0.3101

## Tritanomaly

85.9399, 0.2913, 0.3156

# Monochromacy



## Original Color

85.9201, 0.2889, 0.3166

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

84.8621, 0.3038, 0.3249

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.9201, 0.2889, 0.3166 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(216, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 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(216, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 243, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 85.9201, 0.2889, 0.3166 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(216, 243, 255) }
```

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

```
.border{ border-color:rgb(216, 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(216, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 243,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.9201, 0.2889, 0.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 243, 255) }
```

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

```
.background{ background-color: rgb(216,  
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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