

# Converting Colors

$Yxy(85.8228, 0.2919, 0.3152)$

Have a look what the booklet for  
Yxy(85.8228, 0.2919, 0.3152)  
contains.

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# Color

**Yxy(86.0964, 0.2919, 0.3157)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDF2FF
RGB	221, 242, 255
RGB Percent	87%, 95%, 100%
CMY	0.1335, 0.0509, 0.0001
CMYK	0.13, 0.05, 0.00, 0.00
HSL	203°, 100%, 93%
HSV	203°, 13%, 100%
XYZ	79.6058, 86.0964, 107.0137
YIQ	237.2030, -16.6890, -0.4090

# Conversions

## Conversions Part 2

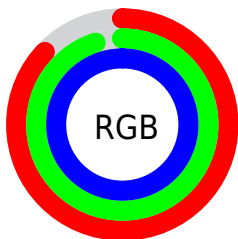
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 234, 255
Decimal	14545663
CIE Lab	94.35, -4.35, -8.58
CIE LCh	94, 9.625, 243.109
Yxy	86.0964, 0.2919, 0.3157
Android (android.graphics.Color)	4292735743 (0xFFDDDF2FF)
YUV	237.2030, 8.7739, -14.2100
Hunter-Lab	92.7881, -9.2387, -3.4282

# Details

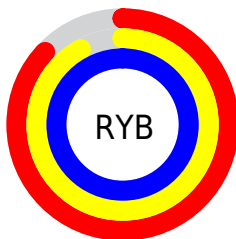
The Yxy color **86.0964, 0.2919, 0.3157** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.2665, 0.3356, 0.3419**, and the grayscale version is **84.7885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.3020, 0.2878, 0.3132** is the 20% darker color. If you saturate the color by 10%, you get **76.7703, 0.2761, 0.3045**, and if you desaturate by 10%, it is **96.3442, 0.3076, 0.3258**.

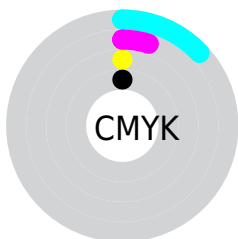
# Distribution



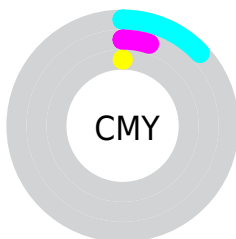
- Red (87%)
- Green (95%)
- Blue (100%)



- Red (87%)
- Yellow (92%)
- Blue (100%)



- Cyan (13%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.0964, 0.2919, 0.3157 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 86.0964, 0.2919, 0.3157 by changing the saturation by 10% instead.



86.0964, 0.2919,  
0.3157

86.0964, 0.2919,  
0.3157

515.2490, 0.3012,  
0.3217

64.7477, 0.2899,  
0.3144

141.9040, 0.2951,  
0.3178

47.2565, 0.2874,  
0.3127

177.1317, 0.2963,  
0.3186

33.2385, 0.2843,  
0.3106

217.7545, 0.2974,  
0.3193

22.3092, 0.2803,  
0.3080

264.1568, 0.2983,  
0.3199

14.0843, 0.2751,  
0.3044

316.7230, 0.2992,  
0.3204

8.1793, 0.2679,  
0.2995

375.8375, 0.2999,

4.2099, 0.2572,

0.3209

0.2920

441.8847, 0.3006,  
0.3213

■ 1.7917, 0.2401,  
0.2796

■ 0.4820, 0.1788,  
0.2449

■ 86.0964, 0.2919,  
0.3157

■ 86.0964, 0.2919,  
0.3157

■ 76.7703, 0.2761,  
0.3045

■ 96.3442, 0.3076,  
0.3258

■ 68.3232, 0.2605,  
0.2922

99.9988, 0.3127,  
0.3290

■ 60.7245, 0.2454,  
0.2790

■ 53.9371, 0.2312,  
0.2650

■ 47.9208, 0.2184,  
0.2504

■ 42.6307, 0.2073,  
0.2355

■ 38.0155, 0.1983,  
0.2206

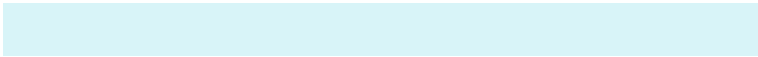
■ 34.0138, 0.1915,  
0.2060

■ 31.6354, 0.1879,  
0.1965

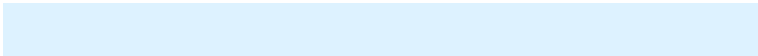
# Harmonies

## Analogous

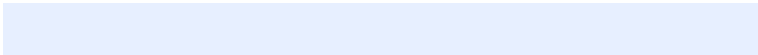
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0964, 0.2927, 0.3242



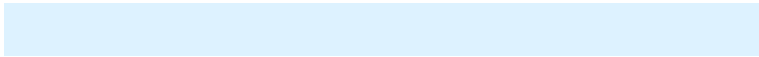
86.0964, 0.2919, 0.3157



86.0964, 0.2965, 0.3110

# Triad

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



86.0964, 0.2919, 0.3157



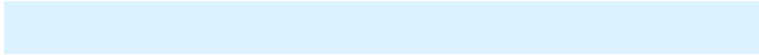
86.0964, 0.3267, 0.3237



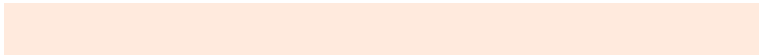
86.0964, 0.3197, 0.3478

# Complementary

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



86.0964, 0.2919, 0.3157



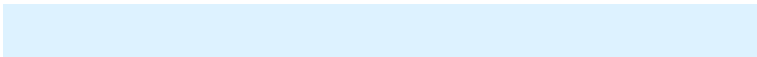
85.2665, 0.3356, 0.3419

# 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.



86.0964, 0.3290, 0.3473



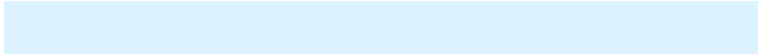
86.0964, 0.2919, 0.3157



86.0964, 0.3331, 0.3333

# Square

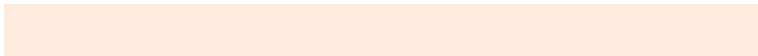
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



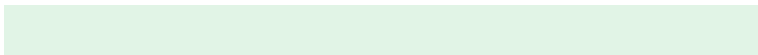
86.0964, 0.2919, 0.3157



86.0964, 0.3165, 0.3156



86.0964, 0.3340, 0.3419

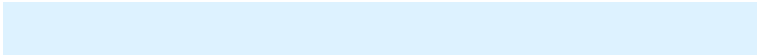


86.0964, 0.3086, 0.3430



# Rectangle

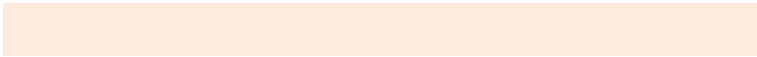
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.0964, 0.2919, 0.3157



86.0964, 0.3021, 0.3104



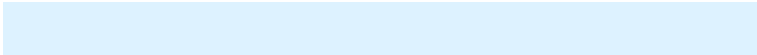
86.0964, 0.3340, 0.3419



86.0964, 0.3231, 0.3482

# Sweetspot

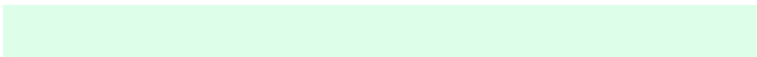
The Sweet Spot groups the original color and five complimentary colors.



86.1000, 0.2919, 0.3157



95.6634, 0.3065, 0.3252



92.7798, 0.3040, 0.3512



20.3050, 0.3054, 0.3245



0.0000, 0.0000, 0.0000

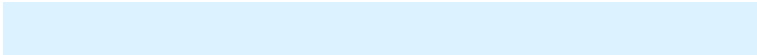


21.4041, 0.3127, 0.3290

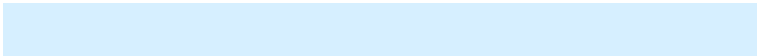


# Same Dimension

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



86.1000, 0.2919, 0.3157



83.5515, 0.2877, 0.3128



76.6954, 0.2914, 0.2984



19.2513, 0.2979, 0.3197



16.8302, 0.1886, 0.1989



1.8498, 0.1931, 0.2153



# Inverse Universe

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



79.3534, 0.3228, 0.3083



75.7139, 0.3252, 0.3040



95.1216, 0.3334, 0.3579



18.1762, 0.3197, 0.3144



12.4270, 0.4466, 0.2234

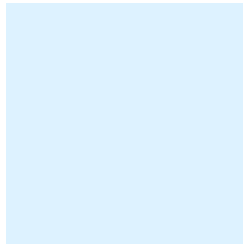


1.2313, 0.4283, 0.2133



# Previews

## White Background



This preview shows how the Yxy color 86.0964, 0.2919, 0.3157 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

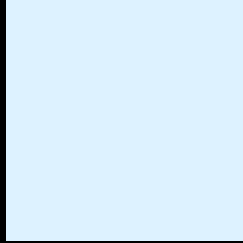
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.0964, 0.2919, 0.3157 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

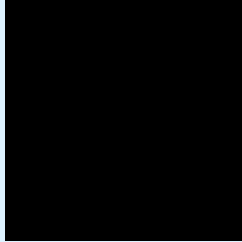
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

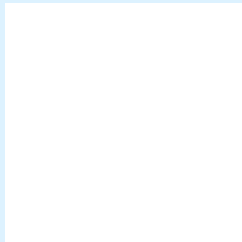
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.0964, 0.2919, 0.3157**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.0964, 0.2919, 0.3157.



This preview shows how white text looks on a background with the Yxy color 86.0964, 0.2919, 0.3157.

# 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

86.0964, 0.2919, 0.3157

### Protanopia

85.9474, 0.3049, 0.3140

### Deuteranopia

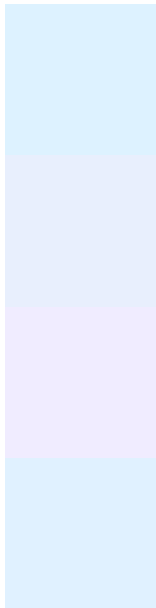
85.4425, 0.3111, 0.3066



## Tritanopia

85.7089, 0.2949, 0.3137

# Trichromacy



## Original Color

86.0964, 0.2919, 0.3157

## Protanomaly

85.9807, 0.2998, 0.3149

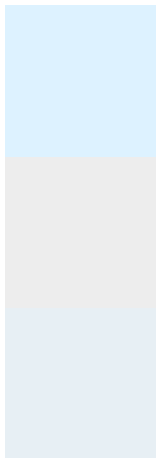
## Deuteranomaly

85.7362, 0.3038, 0.3101

## Tritanomaly

85.9779, 0.2937, 0.3147

# Monochromacy



## Original Color

86.0964, 0.2919, 0.3157

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

85.2536, 0.3045, 0.3239

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.0964, 0.2919, 0.3157 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(221, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 242, 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(221, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 242, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 86.0964, 0.2919, 0.3157 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(221, 242, 255) }
```

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

```
.border{ border-color:rgb(221, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 242, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 242, 255); box-shadow:4px 4px 4px 4px rgb(221, 242, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.0964, 0.2919, 0.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 242, 255) }
```

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

```
.background{ background-color: rgb(221,  
242, 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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