

# Converting Colors

$Yxy(93.0718, 0.2538, 0.2487)$

Have a look what the booklet for  
Yxy(93.0718, 0.2538, 0.2487)  
contains.

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# Color

**Yxy(87.1370, 0.2914, 0.3177)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCF4FF
RGB	220, 244, 255
RGB Percent	86%, 96%, 100%
CMY	0.1371, 0.0432, 0.0000
CMYK	0.14, 0.04, 0.00, 0.00
HSL	199°, 100%, 93%
HSV	199°, 14%, 100%
XYZ	79.9236, 87.1370, 107.2139
YIQ	238.0780, -17.8350, -1.6670

# Conversions

## Conversions Part 2

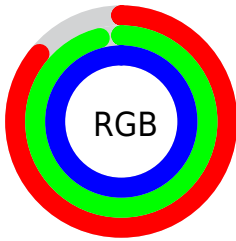
Format	Color
R <sub>Y</sub> B	220, 234, 255
Decimal	14480639
CIE Lab	94.80, -5.64, -7.94
CIE LCh	95, 9.740, 234.650
Yxy	87.1370, 0.2914, 0.3177
Android (android.graphics.Color)	4292670719 (0xFFDCF4FF)
YUV	238.0780, 8.3425, -15.8544
Hunter-Lab	93.3472, -10.5265, -2.7545

# Details

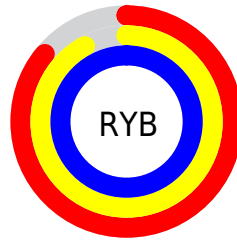
The Yxy color **87.1370, 0.2914, 0.3177** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.6039, 0.3366, 0.3400**, and the grayscale version is **85.5147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0430, 0.2872, 0.3158** is the 20% darker color. If you saturate the color by 10%, you get **78.7346, 0.2759, 0.3085**, and if you desaturate by 10%, it is **96.3637, 0.3070, 0.3261**.

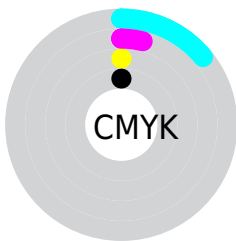
# Distribution



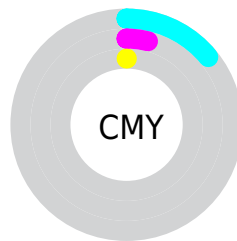
- Red (86%)
- Green (96%)
- Blue (100%)



- Red (86%)
- Yellow (92%)
- Blue (100%)



- Cyan (14%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1370, 0.2914, 0.3177 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 87.1370, 0.2914, 0.3177 by changing the saturation by 10% instead.



87.1370, 0.2914,  
0.3177

87.1370, 0.2914,  
0.3177

518.6729, 0.3009,  
0.3228

65.6086, 0.2893,  
0.3166

143.3551, 0.2946,  
0.3195

47.9547, 0.2868,  
0.3151

178.8135, 0.2959,  
0.3202

33.7910, 0.2836,  
0.3134

219.6841, 0.2970,  
0.3208

22.7331, 0.2796,  
0.3111

266.3512, 0.2980,  
0.3213

14.3966, 0.2743,  
0.3081

319.1993, 0.2988,  
0.3217

8.3970, 0.2670,  
0.3038

378.6127, 0.2996,

4.3500, 0.2563,

0.3221

0.2974

444.9757, 0.3003,  
0.3225

■ 1.8712, 0.2392,  
0.2866

■ 0.5310, 0.1798,  
0.2601

■ 87.1370, 0.2914,  
0.3177

■ 87.1370, 0.2914,  
0.3177

■ 78.7346, 0.2759,  
0.3085

■ 96.3637, 0.3070,  
0.3261

■ 71.1159, 0.2608,  
0.2984

100.0000, 0.3127,  
0.3290

■ 64.2520, 0.2464,  
0.2876

■ 58.1083, 0.2331,  
0.2762

■ 52.6465, 0.2213,  
0.2643

■ 47.8239, 0.2113,  
0.2522

■ 43.5913, 0.2034,  
0.2400

■ 39.8893, 0.1975,  
0.2280

■ 37.7809, 0.1946,  
0.2206

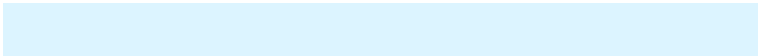
# Harmonies

## Analogous

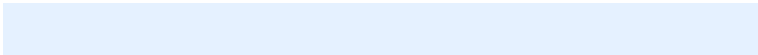
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1370, 0.2938, 0.3270



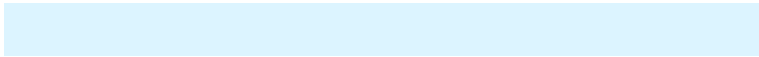
87.1370, 0.2914, 0.3177



87.1370, 0.2946, 0.3117

# Triad

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



87.1370, 0.2914, 0.3177



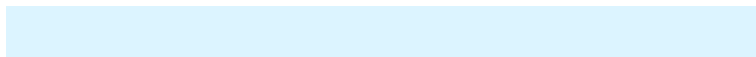
87.1370, 0.3242, 0.3211



87.1370, 0.3227, 0.3483

# Complementary

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



87.1370, 0.2914, 0.3177



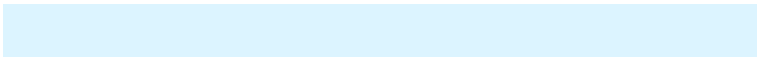
83.6039, 0.3366, 0.3400

# Split Complementary

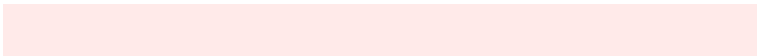
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1370, 0.3311, 0.3464



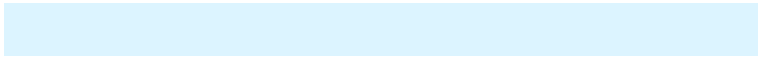
87.1370, 0.2914, 0.3177



87.1370, 0.3320, 0.3306

# Square

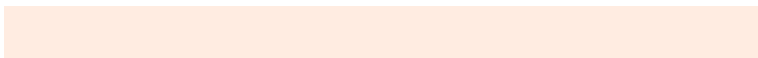
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.1370, 0.2914, 0.3177



87.1370, 0.3134, 0.3138



87.1370, 0.3345, 0.3398

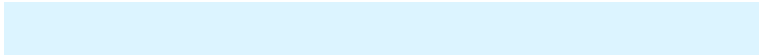


87.1370, 0.3118, 0.3449



# Rectangle

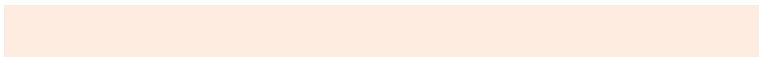
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.1370, 0.2914, 0.3177



87.1370, 0.2995, 0.3102



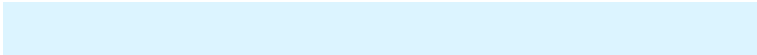
87.1370, 0.3345, 0.3398



87.1370, 0.3259, 0.3483

# Sweetspot

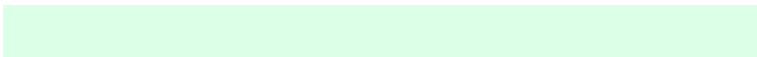
The Sweet Spot groups the original color and five complimentary colors.



87.1406, 0.2914, 0.3177



96.0854, 0.3065, 0.3259



92.4842, 0.3051, 0.3543



20.4119, 0.3054, 0.3253



0.0000, 0.0000, 0.0000

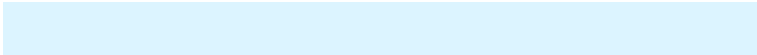


21.4041, 0.3127, 0.3290

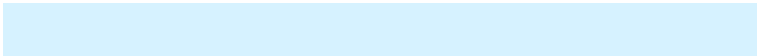


# Same Dimension

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



87.1406, 0.2914, 0.3177



85.1454, 0.2878, 0.3157



77.3958, 0.2909, 0.2999



19.4604, 0.2980, 0.3213



20.0211, 0.1952, 0.2226



2.1454, 0.1989, 0.2362



# Inverse Universe

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



78.9973, 0.3216, 0.3055



75.8748, 0.3233, 0.3014



93.5686, 0.3343, 0.3565



18.1973, 0.3187, 0.3128



12.7491, 0.4205, 0.2090

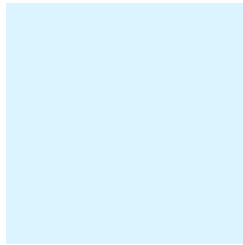


1.2611, 0.4062, 0.2012



# Previews

## White Background



This preview shows how the Yxy color 87.1370, 0.2914, 0.3177 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

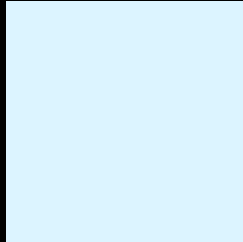
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.1370, 0.2914, 0.3177 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

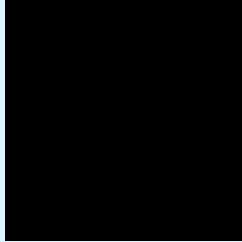
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

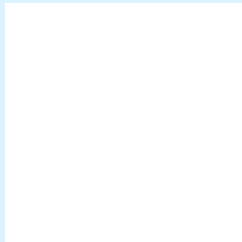
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.1370, 0.2914, 0.3177**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.1370, 0.2914, 0.3177.



This preview shows how white text looks on a background with the Yxy color 87.1370, 0.2914, 0.3177.

# 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

87.1370, 0.2914, 0.3177

### Protanopia

86.7026, 0.3055, 0.3151

### Deuteranopia

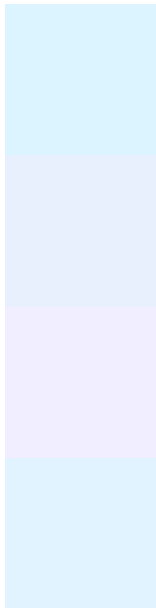
86.9483, 0.3123, 0.3087



## Tritanopia

87.2182, 0.2962, 0.3158

# Trichromacy



## Original Color

87.1370, 0.2914, 0.3177

## Protanomaly

86.7357, 0.3005, 0.3159

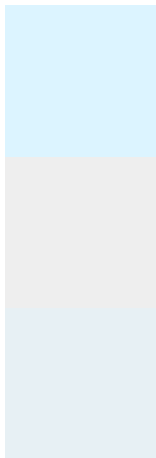
## Deuteranomaly

87.0698, 0.3044, 0.3122

## Tritanomaly

87.3287, 0.2944, 0.3168

# Monochromacy



## Original Color

87.1370, 0.2914, 0.3177

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

85.8408, 0.3045, 0.3249

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.1370, 0.2914, 0.3177 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(220, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 244, 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(220, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 244, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 87.1370, 0.2914, 0.3177 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(220, 244, 255) }
```

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

```
.border{ border-color:rgb(220, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 244,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.1370, 0.2914, 0.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 244, 255) }
```

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

```
.background{ background-color: rgb(220,  
244, 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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