

# Converting Colors

Yxy(88.6848, 0.2857, 0.3121)

Have a look what the booklet for  
Yxy(88.6848, 0.2857, 0.3121)  
contains.

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# **Color**

**Yxy(88.0370, 0.2903, 0.3197)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAF6FF
RGB	218, 246, 255
RGB Percent	85%, 96%, 100%
CMY	0.1447, 0.0354, 0.0000
CMYK	0.14, 0.04, 0.00, 0.00
HSL	195°, 100%, 93%
HSV	195°, 14%, 100%
XYZ	79.9410, 88.0370, 107.3958
YIQ	238.6540, -19.5770, -3.1370

# Conversions

## Conversions Part 2

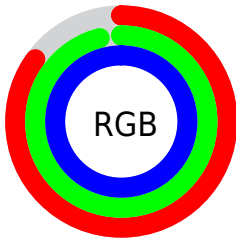
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	218, 234, 255
Decimal	14350079
CIE <sub>Lab</sub>	95.18, -7.24, -7.40
CIE <sub>LCh</sub>	95, 10.354, 225.633
Yxy	88.0370, 0.2903, 0.3197
Android (android.graphics.Color)	4292540159 (0xFFDAF6FF)
YUV	238.6540, 8.0586, -18.1136
Hunter-Lab	93.8280, -12.1180, -2.1838

# Details

The Yxy color **88.0370, 0.2903, 0.3197** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.3273, 0.3384, 0.3381**, and the grayscale version is **85.9944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.6907, 0.2858, 0.3184** is the 20% darker color. If you saturate the color by 10%, you get **80.6767, 0.2751, 0.3125**, and if you desaturate by 10%, it is **96.1351, 0.3058, 0.3263**.

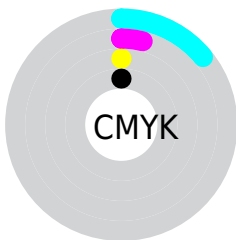
# Distribution



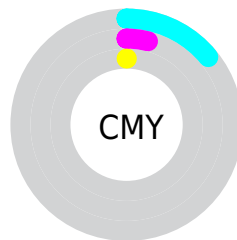
- Red (85%)
- Green (96%)
- Blue (100%)



- Red (85%)
- 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 88.0370, 0.2903, 0.3197 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 88.0370, 0.2903, 0.3197 by changing the saturation by 10% instead.



88.0370, 0.2903,  
0.3197

88.0370, 0.2903,  
0.3197

521.6244, 0.3003,  
0.3240

66.3537, 0.2881,  
0.3187

144.6087, 0.2937,  
0.3212

48.5596, 0.2855,  
0.3176

180.2658, 0.2950,  
0.3217

34.2703, 0.2822,  
0.3161

221.3498, 0.2962,  
0.3222

23.1013, 0.2780,  
0.3142

268.2448, 0.2972,  
0.3227

14.6683, 0.2725,  
0.3116

321.3354, 0.2981,  
0.3230

8.5869, 0.2649,  
0.3080

381.0059, 0.2989,

4.4728, 0.2538,

0.3234

0.3026

447.6408, 0.2996,  
0.3237

■ 1.9414, 0.2362,  
0.2934

■ 0.5731, 0.1758,  
0.2737

■ 88.0370, 0.2903,  
0.3197

■ 88.0370, 0.2903,  
0.3197

■ 80.6767, 0.2751,  
0.3125

■ 96.1351, 0.3058,  
0.3263

■ 74.0169, 0.2606,  
0.3048

100.0000, 0.3127,  
0.3290

■ 68.0294, 0.2470,  
0.2965

■ 62.6806, 0.2348,  
0.2878

■ 57.9337, 0.2241,  
0.2787

■ 53.7469, 0.2153,  
0.2695

■ 50.0722, 0.2086,  
0.2603

■ 46.8509, 0.2038,  
0.2512

■ 45.2193, 0.2017,  
0.2462

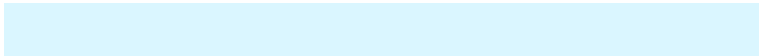
# Harmonies

## Analogous

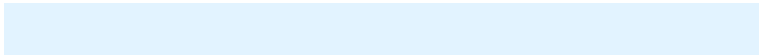
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0370, 0.2946, 0.3301



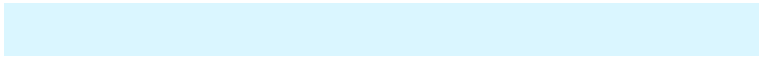
88.0370, 0.2903, 0.3197



88.0370, 0.2919, 0.3121

# Triad

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



88.0370, 0.2903, 0.3197



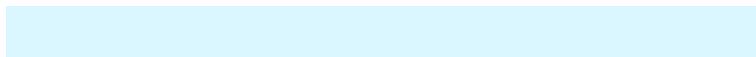
88.0370, 0.3216, 0.3180



88.0370, 0.3264, 0.3495

# Complementary

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



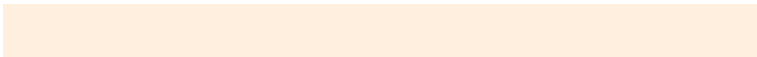
88.0370, 0.2903, 0.3197



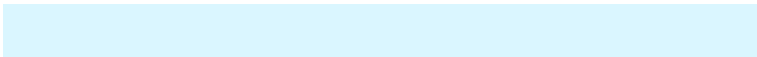
81.3273, 0.3384, 0.3381

# Split Complementary

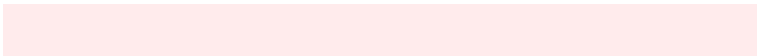
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.0370, 0.3339, 0.3457



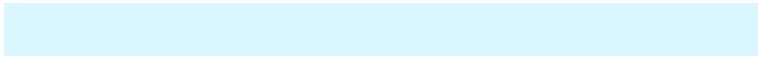
88.0370, 0.2903, 0.3197



88.0370, 0.3312, 0.3275

# Square

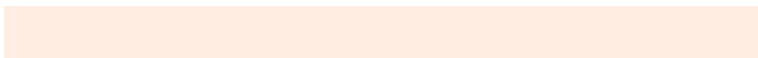
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



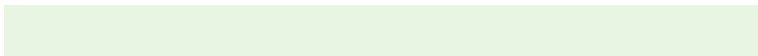
88.0370, 0.2903, 0.3197



88.0370, 0.3098, 0.3113



88.0370, 0.3357, 0.3376

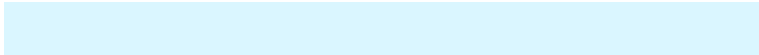


88.0370, 0.3153, 0.3476

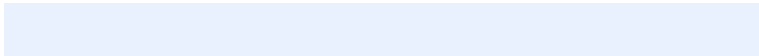


# Rectangle

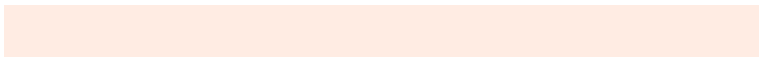
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



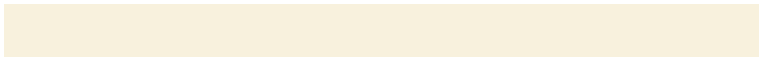
88.0370, 0.2903, 0.3197



88.0370, 0.2961, 0.3095



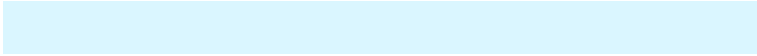
88.0370, 0.3357, 0.3376



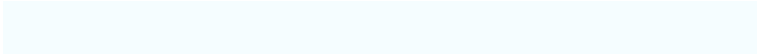
88.0370, 0.3294, 0.3488

# Sweetspot

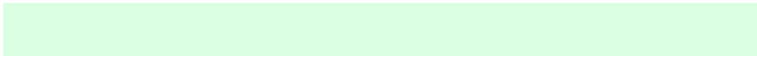
The Sweet Spot groups the original color and five complimentary colors.



88.0399, 0.2903, 0.3197



96.5364, 0.3065, 0.3266



91.9698, 0.3061, 0.3585



20.5263, 0.3053, 0.3261



0.0000, 0.0000, 0.0000

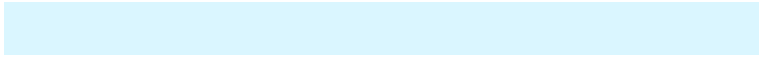


21.4041, 0.3127, 0.3290

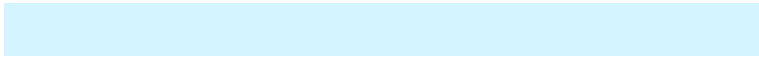


# Same Dimension

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



88.0399, 0.2903, 0.3197



86.1110, 0.2864, 0.3180



77.5916, 0.2897, 0.3008



19.6850, 0.2980, 0.3231



23.8743, 0.2022, 0.2477



2.4952, 0.2050, 0.2581



# Inverse Universe

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



78.1045, 0.3204, 0.3016



74.7285, 0.3219, 0.2967



91.7277, 0.3359, 0.3557



18.2200, 0.3176, 0.3112



13.1381, 0.3945, 0.1947

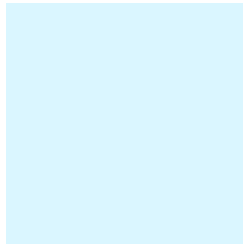


1.2964, 0.3843, 0.1890



# Previews

## White Background



This preview shows how the Yxy color 88.0370, 0.2903, 0.3197 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

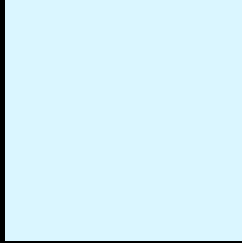
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.0370, 0.2903, 0.3197 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

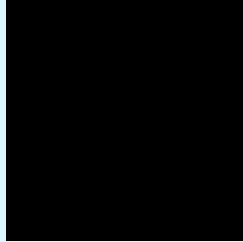
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

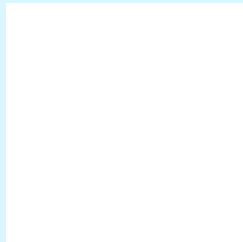
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.0370, 0.2903, 0.3197**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.0370, 0.2903, 0.3197.

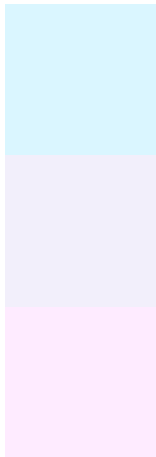


This preview shows how white text looks on a background with the Yxy color 88.0370, 0.2903, 0.3197.

# 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

88.0370, 0.2903, 0.3197

### Protanopia

87.5753, 0.3074, 0.3171

### Deuteranopia

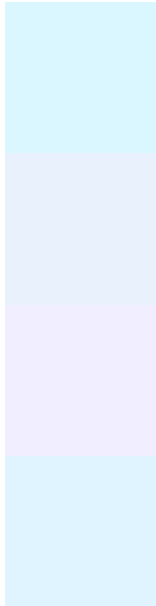
87.7075, 0.3130, 0.3097



## Tritanopia

87.8152, 0.2962, 0.3169

# Trichromacy



## Original Color

88.0370, 0.2903, 0.3197

## Protanomaly

87.8562, 0.3010, 0.3189

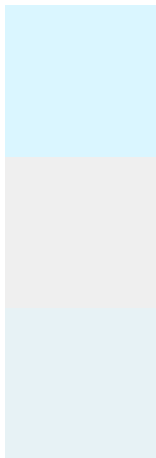
## Deuteranomaly

87.6538, 0.3044, 0.3132

## Tritanomaly

87.7687, 0.2938, 0.3178

# Monochromacy



## Original Color

88.0370, 0.2903, 0.3197

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

87.0858, 0.3039, 0.3259

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.0370, 0.2903, 0.3197 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(218, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 246, 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(218, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 246, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 88.0370, 0.2903, 0.3197 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(218, 246, 255) }
```

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

```
.border{ border-color:rgb(218, 246, 255) }
```

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

Here you see how a box with a 4 pixel rgb(218, 246, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 246,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.0370, 0.2903, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 246, 255) }
```

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

```
.background{ background-color: rgb(218,  
246, 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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