

# Converting Colors

Yxy(88.8145, 0.2896, 0.3332)

Have a look what the booklet for  
Yxy(88.8145, 0.2896, 0.3332)  
contains.

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# Color

**Yxy(88.5803, 0.2900, 0.3331)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D1FAF6
RGB	209, 250, 246
RGB Percent	82%, 98%, 96%
CMY	0.1803, 0.0196, 0.0353
CMYK	0.16, 0.00, 0.02, 0.02
HSL	174°, 80%, 90%
HSV	174°, 16%, 98%
XYZ	77.1188, 88.5803, 100.2279
YIQ	237.2850, -23.1520, -9.9360

# Conversions

## Conversions Part 2

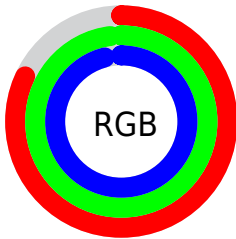
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 231, 250
Decimal	13761270
CIE <sub>Lab</sub>	95.40, -13.84, -2.48
CIE <sub>LCh</sub>	95, 14.064, 190.142
Y <sub>xy</sub>	88.5803, 0.2900, 0.3331
Android (android.graphics.Color)	4291951350 (0xFFD1FAF6)
Y <sub>UV</sub>	237.2850, 4.2965, -24.8059
Hunter-Lab	94.1171, -18.4434, 2.7424

# Details

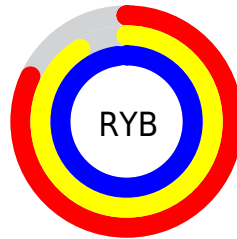
The Yxy color **88.5803, 0.2900, 0.3331** is a light color, and the **websafe** version is hex **CCFFFF**. A complement of this color would be **70.7385, 0.3411, 0.3250**, and the grayscale version is **84.9035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.7277, 0.2849, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **85.0700, 0.2773, 0.3359**, and if you desaturate by 10%, it is **92.6720, 0.3036, 0.3305**.

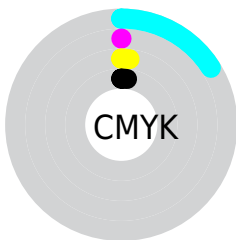
# Distribution



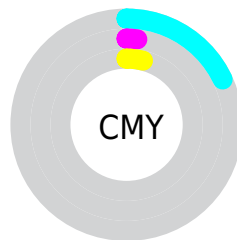
- Red (82%)
- Green (98%)
- Blue (96%)



- Red (82%)
- Yellow (91%)
- Blue (98%)



- Cyan (16%)
- Magenta (0%)
- Yellow (2%)
- Black (2%)



- Cyan (18%)
- Magenta (2%)
- Yellow (4%)

# Brightness & Saturation Gradients


These gradients show how the Yxy color 88.5803, 0.2900, 0.3331 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 88.5803, 0.2900, 0.3331 by changing the saturation by 10% instead.



 88.5803, 0.2900,  
0.3331

 114.6392, 0.2919,  
0.3328

 145.3648, 0.2934,  
0.3325

 181.1415, 0.2948,  
0.3323

 222.3538, 0.2960,  
0.3321

 269.3860, 0.2970,  
0.3319

 322.6224, 0.2979,  
0.3317


 382.4476, 0.2987,  
0.3316


 449.2459, 0.2994,  
0.3315


 523.4017, 0.3001,  
0.3313


 88.5803, 0.2900,  
0.3331


 66.8038, 0.2878,  
0.3335


 48.9252, 0.2851,  
0.3339


 34.5601, 0.2817,  
0.3345


 23.3242, 0.2775,  
0.3351

 14.8331, 0.2718,  
0.3360

 8.7023, 0.2641,  
0.3372

 4.5475, 0.2527,  
0.3387

 1.9843, 0.2345,  
0.3410

 0.5983, 0.1395,  
0.3618

88.5803, 0.2900,  
0.3331

85.0700, 0.2773,  
0.3359

82.1036, 0.2658,  
0.3389

79.6560, 0.2557,  
0.3420

77.6958, 0.2474,  
0.3453

76.1883, 0.2411,  
0.3487

75.0941, 0.2366,  
0.3521

74.3672, 0.2341,  
0.3554

73.9500, 0.2334,  
0.3588

73.8436, 0.2333,  
0.3600

88.5803, 0.2900,  
0.3331

92.6720, 0.3036,  
0.3305

96.5890, 0.3154,  
0.3282

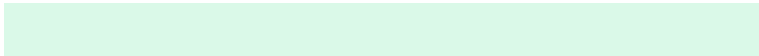
96.7435, 0.3139,  
0.3258

96.8516, 0.3129,  
0.3242

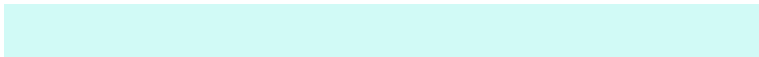
# Harmonies

## Analogous

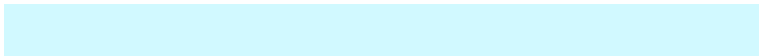
The analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5803, 0.3031, 0.3468



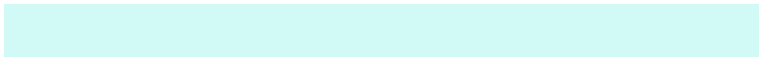
88.5803, 0.2900, 0.3331



88.5803, 0.2830, 0.3186

# Triad

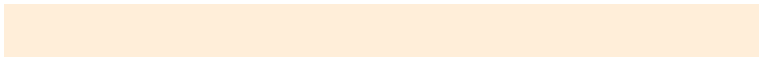
The triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.5803, 0.2900, 0.3331



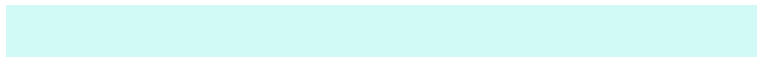
88.5803, 0.3058, 0.3042



88.5803, 0.3426, 0.3499

# Complementary

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



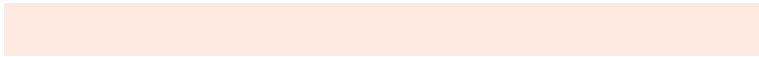
88.5803, 0.2900, 0.3331



70.7385, 0.3411, 0.3250

# 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.



88.5803, 0.3434, 0.3381



88.5803, 0.2900, 0.3331



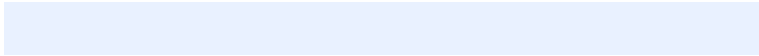
88.5803, 0.3219, 0.3122

# Square

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



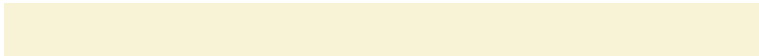
88.5803, 0.2900, 0.3331



88.5803, 0.2919, 0.3024



88.5803, 0.3358, 0.3244



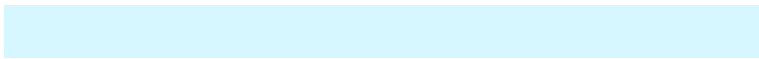
88.5803, 0.3335, 0.3564

# Rectangle

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



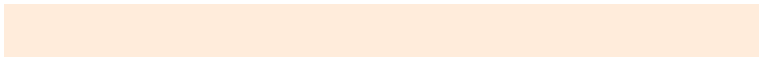
88.5803, 0.2900, 0.3331



88.5803, 0.2825, 0.3106



88.5803, 0.3358, 0.3244



88.5803, 0.3438, 0.3464



# Sweetspot

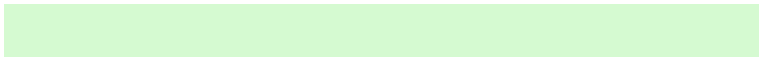
The sweet spot groups the original color and five complimentary colors.



88.5840, 0.2900, 0.3331



97.5818, 0.3056, 0.3302



87.1395, 0.3132, 0.3730



20.8165, 0.3046, 0.3304



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

# Previews

## White Background



This preview shows how the Yxy color 88.5803, 0.2900, 0.3331 looks on a white background.

## Color Contrast Check

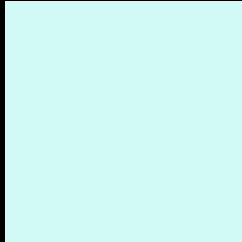
Large Text (above 18pt) WCAG AA × Fail

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 88.5803, 0.2900, 0.3331 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

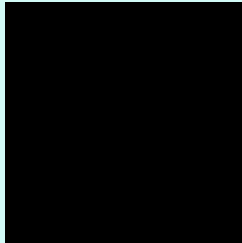
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

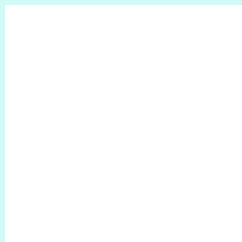
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.5803, 0.2900, 0.3331**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.5803, 0.2900, 0.3331.

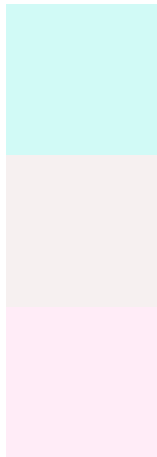


This preview shows how white text looks on a background with the Yxy color 88.5803, 0.2900, 0.3331.

# 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

88.5803, 0.2900, 0.3331

### Protanopia

88.2043, 0.3167, 0.3290

### Deuteranopia

87.9663, 0.3186, 0.3183



## Tritanopia

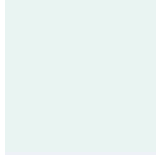
88.2523, 0.2956, 0.3179

# Trichromacy



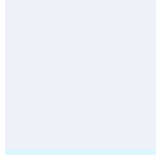
## Original Color

88.5803, 0.2900, 0.3331



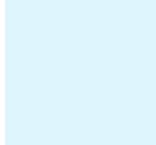
## Protanomaly

88.4358, 0.3069, 0.3310



## Deuteranomaly

87.8031, 0.3072, 0.3230



## Tritanomaly

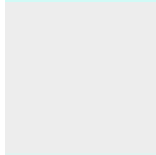
88.1555, 0.2931, 0.3228

# Monochromacy



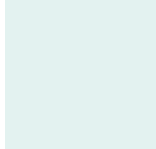
## Original Color

88.5803, 0.2900, 0.3331



## Achromatopsia

84.6873, 0.3127, 0.3290



## Achromatomaly

86.1264, 0.3043, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.5803, 0.2900, 0.3331 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(209, 250, 246)` looks like.

```
.text, #text, p{  
    color:rgb(209, 250, 246)  
}
```



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(209, 250, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 250, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 88.5803, 0.2900, 0.3331 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(209, 250, 246) }
```

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

```
.border{ border-color:rgb(209, 250, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 250, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 250, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 250, 246);  
box-shadow:4px 4px 4px 4px rgb(209, 250,  
246) }
```

# Background

The CSS property to change the background color of an element to Yxy 88.5803, 0.2900, 0.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 250, 246) }
```

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

```
.background{ background-color: rgb(209,  
250, 246) }
```

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](#).

Hey! You found this booklet interesting? Have a look at my other booklet **HOWCOLORS.WORK** – A CSS color notation guide.



## **HOWCOLORS.WORK**

**A CSS color notation guide.**

Are you new to web development and want to know the different ways to express colors in CSS? Then this booklet is for you!

**HOWCOLORS.WORK will help you understand the syntax of the color notations in CSS.**

You will learn all the current and new ways to express colors to prepare yourself for the future!

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