

# Converting Colors

$Yxy(88.9750, 0.2884, 0.3289)$

Have a look what the booklet for  
Yxy(88.9750, 0.2884, 0.3289)  
contains.

<b>Yxy(88.9750, 0.2884, 0.3289)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(88.9750, 0.2884, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2FAFA
RGB	210, 250, 250
RGB Percent	82%, 98%, 98%
CMY	0.1765, 0.0196, 0.0195
CMYK	0.16, 0.00, 0.00, 0.02
HSL	180°, 80%, 90%
HSV	180°, 16%, 98%
XYZ	78.0188, 88.9750, 103.5291
YIQ	238.0400, -23.8400, -8.4800

# Conversions

## Conversions Part 2

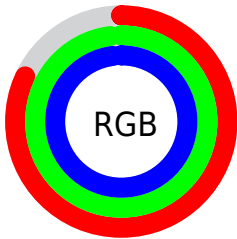
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 230, 250
Decimal	13826810
CIE Lab	95.57, -12.75, -4.30
CIE LCh	96, 13.456, 198.657
Yxy	88.9750, 0.2884, 0.3289
Android (android.graphics.Color)	4292016890 (0xFFD2FAFA)
YUV	238.0400, 5.8963, -24.5911
Hunter-Lab	94.3266, -17.4316, 0.9542

# Details

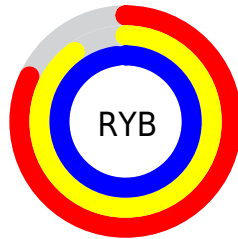
The Yxy color **88.9750, 0.2884, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.0790, 0.3432, 0.3291**, and the grayscale version is **85.5011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.0035, 0.2829, 0.3276** is the 20% darker color. If you saturate the color by 10%, you get **85.5816, 0.2745, 0.3288**, and if you desaturate by 10%, it is **92.9490, 0.3033, 0.3290**.

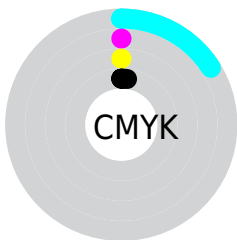
# Distribution



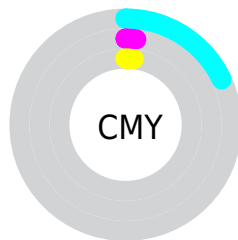
- Red (82%)
- Green (98%)
- Blue (98%)



- Red (82%)
- Yellow (90%)
- Blue (98%)



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.9750, 0.2884, 0.3289 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 88.9750, 0.2884, 0.3289 by changing the saturation by 10% instead.




 88.9750, 0.2884,  
0.3289

 88.9750, 0.2884,  
0.3289


524.6909, 0.2992,  
0.3291

 67.1308, 0.2860,  
0.3288


145.9138, 0.2921,  
0.3290

 49.1910, 0.2832,  
0.3288


181.7772, 0.2935,  
0.3290

 34.7710, 0.2796,  
0.3287


223.0825, 0.2948,  
0.3290

 23.4865, 0.2751,  
0.3285

270.2141, 0.2959,  
0.3290

 14.9532, 0.2691,  
0.3282

323.5563, 0.2968,  
0.3290

 8.7865, 0.2609,  
0.3278

383.4936, 0.2977,

 4.6022, 0.2490,

0.3290

450.4103, 0.2985,  
0.3290

0.3269

2.0158, 0.2301,  
0.3251

0.6166, 0.1475,  
0.3308

88.9750, 0.2884,  
0.3289

88.9750, 0.2884,  
0.3289

85.5816, 0.2745,  
0.3288

92.9490, 0.3033,  
0.3290

82.7313, 0.2620,  
0.3288


96.5590, 0.3159,  
0.3290


80.3992, 0.2511,  
0.3287


96.5687, 0.3159,  
0.3290

78.5539, 0.2421,  
0.3287

96.5784, 0.3159,  
0.3290

 77.1609, 0.2350,  
0.3286

 96.5881, 0.3159,  
0.3291

 76.1810, 0.2298,  
0.3286


 96.5978, 0.3159,  
0.3291


 75.5684, 0.2266,  
0.3286

 96.6075, 0.3159,  
0.3291

 75.2663, 0.2250,  
0.3286

 96.6172, 0.3159,  
0.3291

 75.1982, 0.2246,  
0.3285

 96.6269, 0.3159,  
0.3291

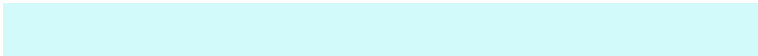
# Harmonies

## Analogous

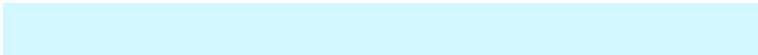
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9750, 0.2996, 0.3426



88.9750, 0.2884, 0.3289



88.9750, 0.2837, 0.3156

# Triad

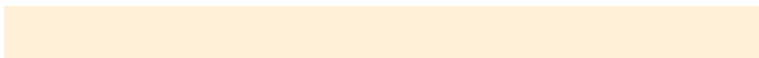
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.9750, 0.2884, 0.3289



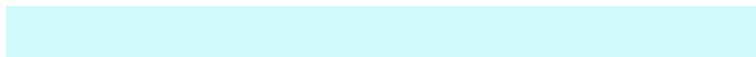
88.9750, 0.3105, 0.3069



88.9750, 0.3395, 0.3514

# Complementary

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



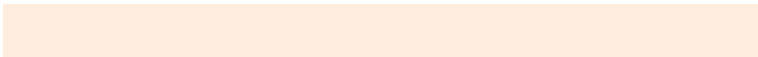
88.9750, 0.2884, 0.3289



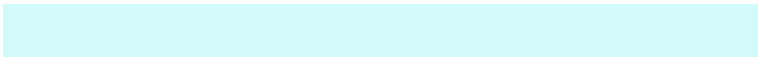
71.0790, 0.3432, 0.3291

# 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.



88.9750, 0.3427, 0.3413



88.9750, 0.2884, 0.3289



88.9750, 0.3257, 0.3159

# Square

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



88.9750, 0.2884, 0.3289



88.9750, 0.2962, 0.3034



88.9750, 0.3376, 0.3284

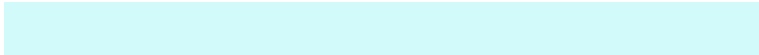


88.9750, 0.3291, 0.3557

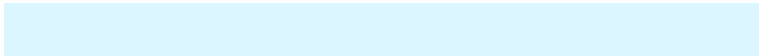


# Rectangle

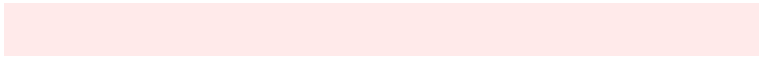
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



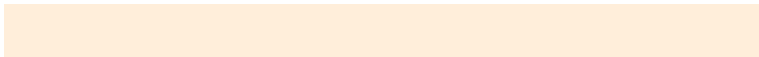
88.9750, 0.2884, 0.3289



88.9750, 0.2847, 0.3089



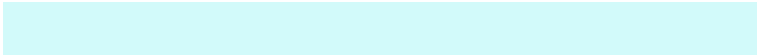
88.9750, 0.3376, 0.3284



88.9750, 0.3415, 0.3485

# Sweetspot

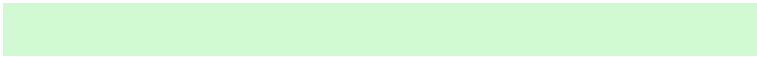
The Sweet Spot groups the original color and five complimentary colors.



88.9787, 0.2884, 0.3289



97.6564, 0.3049, 0.3290



86.7423, 0.3107, 0.3722



20.8347, 0.3038, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

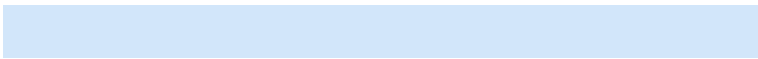
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.9787, 0.2884, 0.3289



91.9214, 0.2841, 0.3289



77.2008, 0.2875, 0.3077



19.6067, 0.2980, 0.3289



39.8768, 0.2246, 0.3286



3.6939, 0.2246, 0.3286



# Inverse Universe

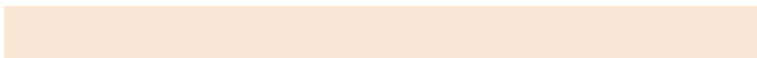
The Inverse Universe completely reimagines the original color for something new.



73.3169, 0.3146, 0.2893



72.8860, 0.3150, 0.2817



81.5797, 0.3399, 0.3494



17.5244, 0.3138, 0.3057



14.4365, 0.3211, 0.1542

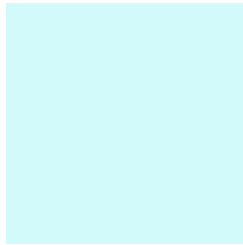


1.3371, 0.3211, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 88.9750, 0.2884, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

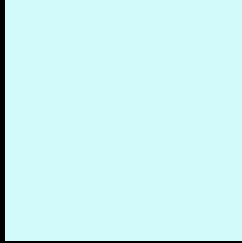
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.9750, 0.2884, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

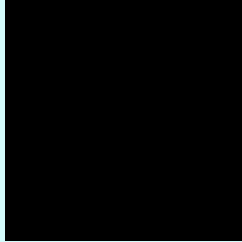
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.9750, 0.2884, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.9750, 0.2884, 0.3289.

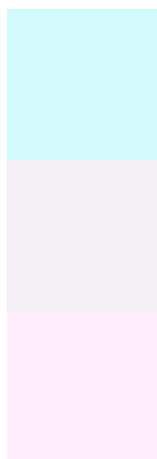


This preview shows how white text looks on a background with the Yxy color 88.9750, 0.2884, 0.3289.

# 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

88.9750, 0.2884, 0.3289

### Protanopia

88.2643, 0.3136, 0.3250

### Deuteranopia

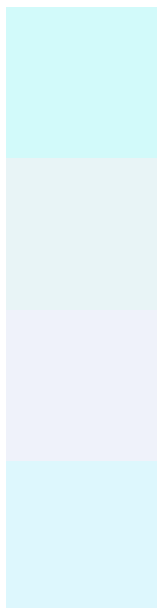
88.7305, 0.3166, 0.3164



## Tritanopia

89.0188, 0.2962, 0.3189

# Trichromacy



## Original Color

88.9750, 0.2884, 0.3289

## Protanomaly

88.5110, 0.3039, 0.3270

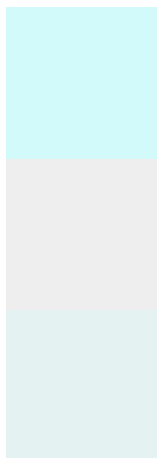
## Deuteranomaly

88.7571, 0.3060, 0.3210

## Tritanomaly

88.9855, 0.2932, 0.3228

# Monochromacy



## Original Color

88.9750, 0.2884, 0.3289

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

86.4090, 0.3037, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.9750, 0.2884, 0.3289 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(210, 250, 250)` looks like.

```
.text, #text, p{  
    color:rgb(210, 250, 250)  
}
```

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(210, 250, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 250, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 88.9750, 0.2884, 0.3289 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(210, 250, 250) }
```

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

```
.border{ border-color:rgb(210, 250, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 250, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 250, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 250, 250);  
box-shadow:4px 4px 4px 4px rgb(210, 250,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.9750, 0.2884, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 250, 250) }
```

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

```
.background{ background-color: rgb(210,  
250, 250) }
```

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? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor