

# Converting Colors

$Yxy(88.7179, 0.2928, 0.3304)$

Have a look what the booklet for  
Yxy(88.7179, 0.2928, 0.3304)  
contains.

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# Color

**Yxy(88.9138, 0.2929, 0.3310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7F9F7
RGB	215, 249, 247
RGB Percent	84%, 98%, 97%
CMY	0.1571, 0.0235, 0.0313
CMYK	0.14, 0.00, 0.01, 0.02
HSL	176°, 74%, 91%
HSV	176°, 14%, 98%
XYZ	78.6793, 88.9138, 101.0286
YIQ	238.6060, -19.6220, -7.8300

# Conversions

## Conversions Part 2

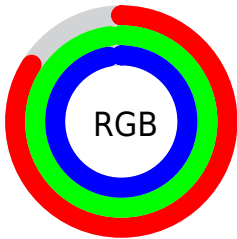
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 233, 249
Decimal	14154231
CIE Lab	95.54, -11.32, -2.75
CIE LCh	96, 11.651, 193.665
Yxy	88.9138, 0.2929, 0.3310
Android (android.graphics.Color)	4292344311 (0xFFD7F9F7)
YUV	238.6060, 4.1382, -20.7025
Hunter-Lab	94.2941, -16.0737, 2.4814

# Details

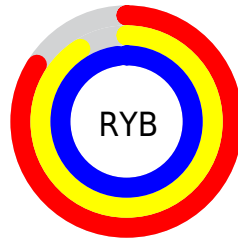
The Yxy color **88.9138, 0.2929, 0.3310** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.7236, 0.3366, 0.3270**, and the grayscale version is **85.9695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3751, 0.2886, 0.3316** is the 20% darker color. If you saturate the color by 10%, you get **85.3418, 0.2794, 0.3326**, and if you desaturate by 10%, it is **93.0675, 0.3073, 0.3295**.

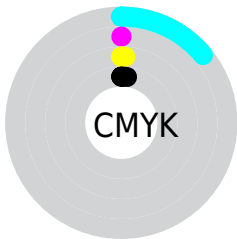
# Distribution



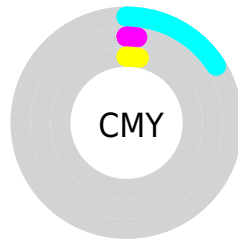
- Red (84%)
- Green (98%)
- Blue (97%)



- Red (84%)
- Yellow (91%)
- Blue (98%)



- Cyan (14%)
- Magenta (0%)
- Yellow (1%)
- Black (2%)




- Cyan (16%)
- Magenta (2%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.9138, 0.2929, 0.3310 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 88.9138, 0.2929, 0.3310 by changing the saturation by 10% instead.



 88.9138, 0.2929,  
0.3310

 88.9138, 0.2929,  
0.3310

524.4911, 0.3017,  
0.3302

 67.0801, 0.2910,  
0.3312

145.8287, 0.2959,  
0.3307

 49.1497, 0.2886,  
0.3314


181.6787, 0.2971,  
0.3306

 34.7383, 0.2857,  
0.3316


222.9696, 0.2981,  
0.3305

 23.4613, 0.2820,  
0.3319

270.0857, 0.2990,  
0.3304

 14.9345, 0.2771,  
0.3323

323.4116, 0.2998,  
0.3304

 8.7734, 0.2703,  
0.3327


383.3315, 0.3005,


 4.5937, 0.2604,


0.3303


450.2299, 0.3011,  
0.3302


0.3333


 2.0109, 0.2445,  
0.3339


 0.6138, 0.1723,  
0.3445


 88.9138, 0.2929,  
0.3310


 88.9138, 0.2929,  
0.3310


 85.3418, 0.2794,  
0.3326

 93.0675, 0.3073,  
0.3295


 82.3147, 0.2672,  
0.3344


 95.9196, 0.3160,  
0.3281


 79.8082, 0.2564,  
0.3362

 96.0114, 0.3151,  
0.3267


 77.7922, 0.2473,  
0.3381

 96.1038, 0.3142,  
0.3253


 76.2331, 0.2401,  
0.3401


 96.1969, 0.3134,  
0.3240

 75.0935, 0.2349,  
0.3420

 96.2415, 0.3130,  
0.3233

 74.3298, 0.2316,  
0.3440

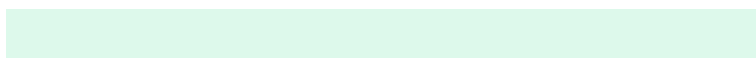
 73.8890, 0.2301,  
0.3460

 73.7280, 0.2298,  
0.3472

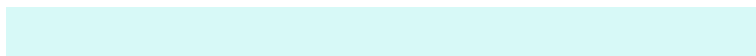
# Harmonies

## Analogous

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



88.9138, 0.3033, 0.3425



88.9138, 0.2929, 0.3310



88.9138, 0.2877, 0.3192

# Triad

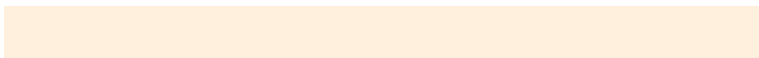
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.9138, 0.2929, 0.3310



88.9138, 0.3086, 0.3089



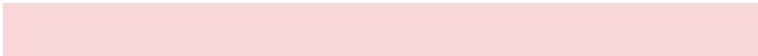
88.9138, 0.3368, 0.3472

# Complementary

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



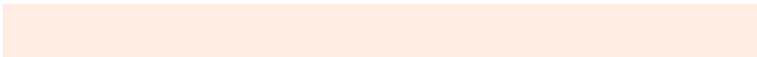
88.9138, 0.2929, 0.3310



73.7236, 0.3366, 0.3270

# 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.



88.9138, 0.3384, 0.3379



88.9138, 0.2929, 0.3310



88.9138, 0.3219, 0.3161

# Square

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



88.9138, 0.2929, 0.3310



88.9138, 0.2966, 0.3068



88.9138, 0.3329, 0.3266

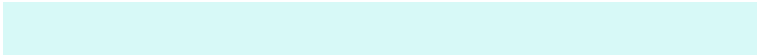


88.9138, 0.3287, 0.3519

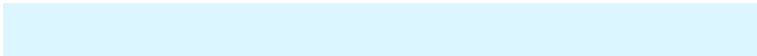


# Rectangle

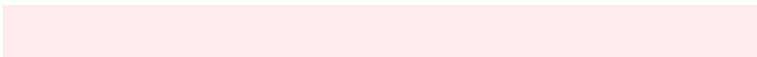
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



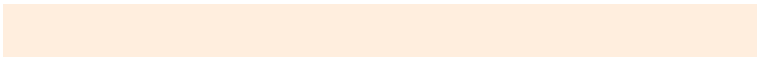
88.9138, 0.2929, 0.3310



88.9138, 0.2879, 0.3129



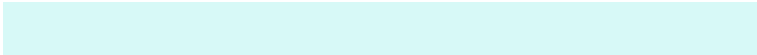
88.9138, 0.3329, 0.3266



88.9138, 0.3382, 0.3445

# Sweetspot

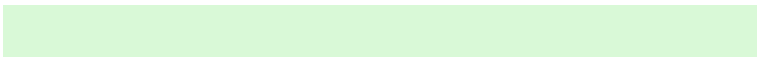
The Sweet Spot groups the original color and five complimentary colors.



88.9175, 0.2929, 0.3310



98.0782, 0.3068, 0.3296



87.4504, 0.3125, 0.3652



20.9178, 0.3057, 0.3297



0.0000, 0.0000, 0.0000

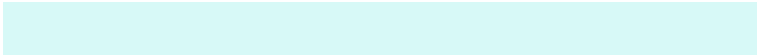


21.4041, 0.3127, 0.3290

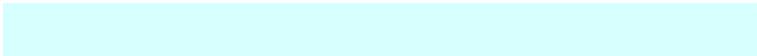


# Same Dimension

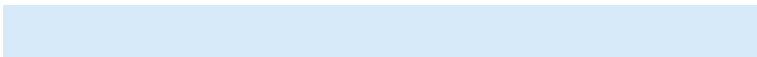
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.9175, 0.2929, 0.3310



92.9135, 0.2897, 0.3314



80.2697, 0.2913, 0.3135



19.5900, 0.2988, 0.3304



39.4671, 0.2297, 0.3469



3.6605, 0.2290, 0.3445



# Inverse Universe

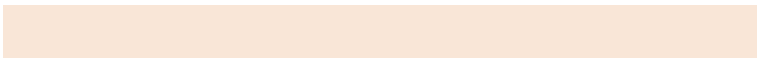
The Inverse Universe completely reimagines the original color for something new.



73.7236, 0.3366, 0.3270



74.4427, 0.3414, 0.3267



81.4791, 0.3359, 0.3441



17.2417, 0.3285, 0.3277



10.8047, 0.6341, 0.3267



1.0063, 0.6198, 0.3188



# Previews

## White Background



This preview shows how the Yxy color 88.9138, 0.2929, 0.3310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

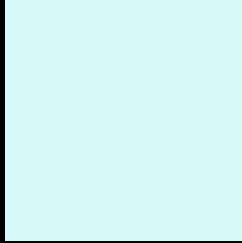
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.9138, 0.2929, 0.3310 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 88.9138, 0.2929, 0.3310**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.9138, 0.2929, 0.3310.

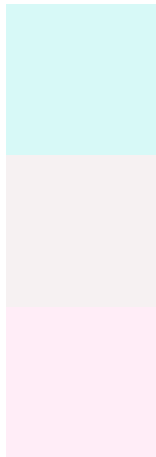


This preview shows how white text looks on a background with the Yxy color 88.9138, 0.2929, 0.3310.

# 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

88.9138, 0.2929, 0.3310

### Protanopia

88.9142, 0.3154, 0.3280

### Deuteranopia

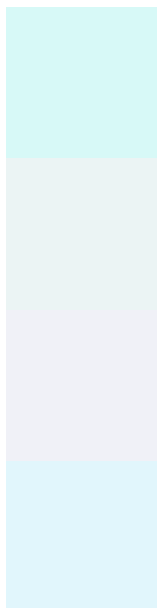
88.5438, 0.3185, 0.3193



## Tritanopia

88.7444, 0.2975, 0.3179

# Trichromacy



## Original Color

88.9138, 0.2929, 0.3310

## Protanomaly

88.8952, 0.3069, 0.3290

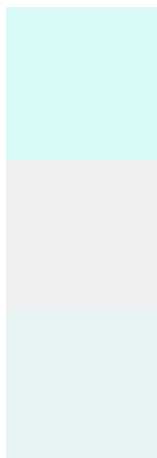
## Deuteranomaly

88.1513, 0.3085, 0.3230

## Tritanomaly

88.9474, 0.2961, 0.3229

# Monochromacy



## Original Color

88.9138, 0.2929, 0.3310

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

87.3350, 0.3050, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.9138, 0.2929, 0.3310 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(215, 249, 247)` looks like.

```
.text, #text, p{  
    color:rgb(215, 249, 247)  
}
```

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(215, 249, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 249, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 88.9138, 0.2929, 0.3310 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(215, 249, 247) }
```

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

```
.border{ border-color:rgb(215, 249, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 249, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 249, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 249, 247);  
box-shadow:4px 4px 4px 4px rgb(215, 249,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.9138, 0.2929, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 249, 247) }
```

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

```
.background{ background-color: rgb(215,  
249, 247) }
```

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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