

# Converting Colors

$Yxy(88.3979, 0.2882, 0.3286)$

Have a look what the booklet for  
Yxy(88.3979, 0.2882, 0.3286)  
contains.

<b>Yxy(88.2088, 0.2878, 0.3279)</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(88.2088, 0.2878, 0.3279)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1F9FA
RGB	209, 249, 250
RGB Percent	82%, 98%, 98%
CMY	0.1804, 0.0235, 0.0196
CMYK	0.16, 0.00, 0.00, 0.02
HSL	181°, 80%, 90%
HSV	181°, 16%, 98%
XYZ	77.4214, 88.2088, 103.3810
YIQ	237.1540, -24.1610, -8.1690

# Conversions

## Conversions Part 2

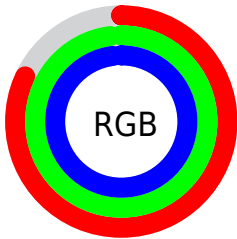
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 229, 250
Decimal	13761018
CIE <sub>Lab</sub>	95.25, -12.56, -4.76
CIE <sub>LCh</sub>	95, 13.436, 200.770
Yxy	88.2088, 0.2878, 0.3279
Android (android.graphics.Color)	4291951098 (0xFFD1F9FA)
YUV	237.1540, 6.3331, -24.6911
Hunter-Lab	93.9195, -17.2149, 0.4808

# Details

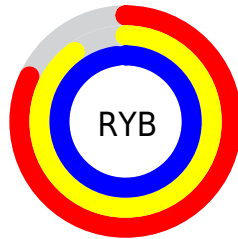
The Yxy color **88.2088, 0.2878, 0.3279** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.0051, 0.3439, 0.3301**, and the grayscale version is **84.7774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.9050, 0.2822, 0.3276** is the 20% darker color. If you saturate the color by 10%, you get **84.4775, 0.2739, 0.3272**, and if you desaturate by 10%, it is **92.5206, 0.3028, 0.3286**.

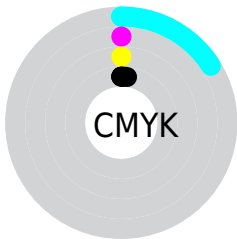
# Distribution



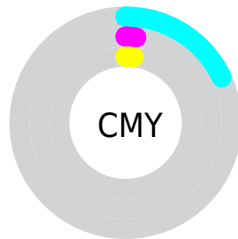
- Red (82%)
- Green (98%)
- Blue (98%)



- 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 88.2088, 0.2878, 0.3279 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 88.2088, 0.2878, 0.3279 by changing the saturation by 10% instead.




 88.2088, 0.2878,  
0.3279

 88.2088, 0.2878,  
0.3279


522.1868, 0.2989,  
0.3285

 66.4960, 0.2854,  
0.3277


144.8478, 0.2916,  
0.3281

 48.6752, 0.2824,  
0.3275


180.5428, 0.2930,  
0.3282

 34.3619, 0.2788,  
0.3273


221.6674, 0.2943,  
0.3283

 23.1717, 0.2741,  
0.3269

268.6058, 0.2955,  
0.3283

 14.7204, 0.2680,  
0.3264

321.7426, 0.2965,  
0.3284

 8.6234, 0.2596,  
0.3255


381.4621, 0.2973,


 4.4963, 0.2472,

0.3284

0.3241

448.1487, 0.2981,  
0.3285


 1.9549, 0.2276,  
0.3213


 0.5811, 0.1370,  
0.3242


 88.2088, 0.2878,  
0.3279


 88.2088, 0.2878,  
0.3279

 84.4775, 0.2739,  
0.3272


 92.5206, 0.3028,  
0.3286


 81.2893, 0.2612,  
0.3264

 96.6630, 0.3159,  
0.3292

 78.6191, 0.2502,  
0.3256

 97.0368, 0.3158,  
0.3298

 76.4355, 0.2409,  
0.3248

 97.4118, 0.3158,  
0.3304

74.7037, 0.2336,  
0.3240

97.7880, 0.3158,  
0.3309

73.3845, 0.2283,  
0.3232

98.1655, 0.3157,  
0.3315

72.4316, 0.2248,  
0.3224

98.5440, 0.3157,  
0.3321

71.7877, 0.2230,  
0.3216

98.9238, 0.3157,  
0.3326

71.5997, 0.2226,  
0.3213

99.3048, 0.3156,  
0.3332

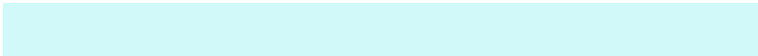
# Harmonies

## Analogous

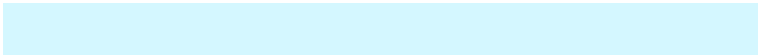
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2088, 0.2986, 0.3417



88.2088, 0.2878, 0.3279



88.2088, 0.2836, 0.3148

# Triad

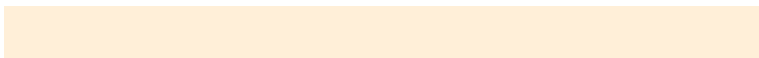
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.2088, 0.2878, 0.3279



88.2088, 0.3116, 0.3073



88.2088, 0.3390, 0.3519

# Complementary

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



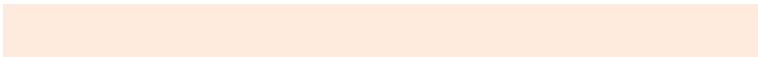
88.2088, 0.2878, 0.3279



71.0051, 0.3439, 0.3301

# 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.



88.2088, 0.3428, 0.3421



88.2088, 0.2878, 0.3279



88.2088, 0.3267, 0.3167

# Square

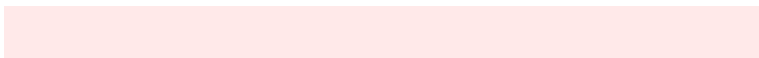
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.2088, 0.2878, 0.3279



88.2088, 0.2970, 0.3034



88.2088, 0.3382, 0.3293



88.2088, 0.3281, 0.3557

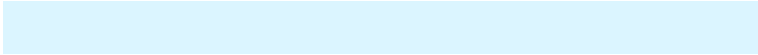


# Rectangle

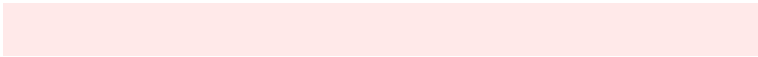
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



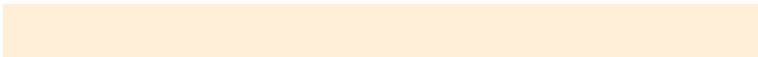
88.2088, 0.2878, 0.3279



88.2088, 0.2850, 0.3083



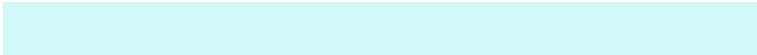
88.2088, 0.3382, 0.3293



88.2088, 0.3412, 0.3492

# Sweetspot

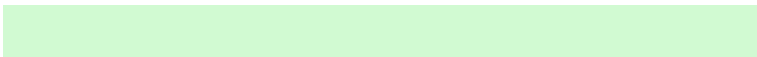
The Sweet Spot groups the original color and five complimentary colors.



88.2124, 0.2878, 0.3279



97.4665, 0.3049, 0.3287



86.5574, 0.3102, 0.3726



20.7883, 0.3038, 0.3286



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

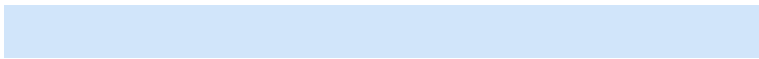
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.2124, 0.2878, 0.3279



90.7990, 0.2826, 0.3276



76.3874, 0.2868, 0.3064



19.5329, 0.2980, 0.3284



38.0136, 0.2226, 0.3214



3.5427, 0.2229, 0.3224



# Inverse Universe

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



72.7580, 0.3153, 0.2892



71.5872, 0.3159, 0.2803



81.6163, 0.3406, 0.3506



17.5170, 0.3142, 0.3062



14.2484, 0.3270, 0.1575

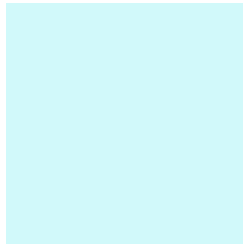


1.3219, 0.3262, 0.1571



# Previews

## White Background



This preview shows how the Yxy color 88.2088, 0.2878, 0.3279 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

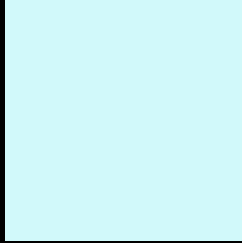
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.2088, 0.2878, 0.3279 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

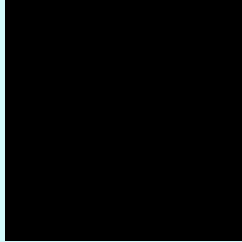
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.2088, 0.2878, 0.3279**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.2088, 0.2878, 0.3279.

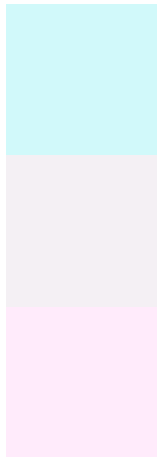


This preview shows how white text looks on a background with the Yxy color 88.2088, 0.2878, 0.3279.

# 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

88.2088, 0.2878, 0.3279

### Protanopia

88.0849, 0.3129, 0.3250

### Deuteranopia

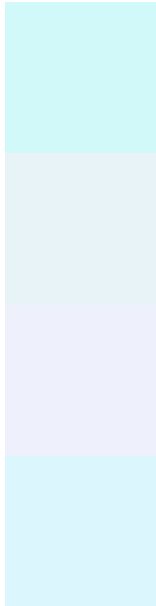
87.6417, 0.3161, 0.3135



## **Tritanopia**

88.0901, 0.2950, 0.3178

# Trichromacy



## Original Color

88.2088, 0.2878, 0.3279

## Protanomaly

87.7439, 0.3033, 0.3259

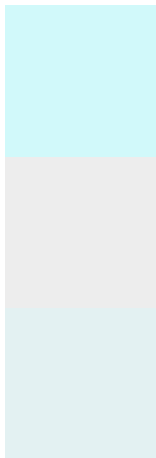
## Deuteranomaly

87.4624, 0.3048, 0.3180

## Tritanomaly

88.2190, 0.2925, 0.3218

# Monochromacy



## Original Color

88.2088, 0.2878, 0.3279

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

85.6523, 0.3031, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.2088, 0.2878, 0.3279 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, 249, 250)` looks like.

```
.text, #text, p{  
    color:rgb(209, 249, 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(209, 249, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 249, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 88.2088, 0.2878, 0.3279 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, 249, 250) }
```

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

```
.border{ border-color:rgb(209, 249, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 249, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 249, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 249, 250);  
box-shadow:4px 4px 4px 4px rgb(209, 249,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.2088, 0.2878, 0.3279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 249, 250) }
```

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

```
.background{ background-color: rgb(209,  
249, 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