

# Converting Colors

$Yxy(88.9243, 0.2852, 0.3340)$

Have a look what the booklet for  
Yxy(88.9243, 0.2852, 0.3340)  
contains.

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# Color

**Yxy(88.8928, 0.2855, 0.3342)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAFCF7
RGB	202, 252, 247
RGB Percent	79%, 99%, 97%
CMY	0.2082, 0.0117, 0.0313
CMYK	0.20, 0.00, 0.02, 0.01
HSL	174°, 89%, 89%
HSV	174°, 20%, 99%
XYZ	75.9392, 88.8928, 101.1548
YIQ	236.4800, -28.1950, -12.1550

# Conversions

## Conversions Part 2

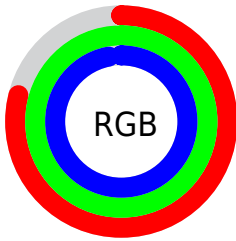
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 228, 252
Decimal	13303031
CIE Lab	95.54, -16.80, -2.85
CIE LCh	96, 17.038, 189.625
Yxy	88.8928, 0.2855, 0.3342
Android (android.graphics.Color)	4291493111 (0xFFCAFCF7)
YUV	236.4800, 5.1864, -30.2390
Hunter-Lab	94.2830, -21.2242, 2.3867

# Details

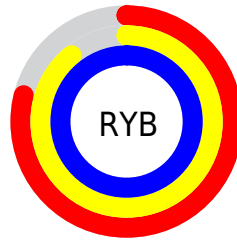
The Yxy color **88.8928, 0.2855, 0.3342** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.4034, 0.3484, 0.3239**, and the grayscale version is **84.2343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.9948, 0.2795, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **85.5103, 0.2732, 0.3372**, and if you desaturate by 10%, it is **92.8587, 0.2988, 0.3315**.

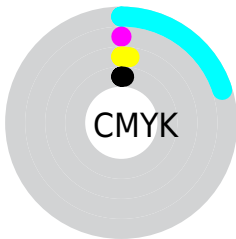
# Distribution



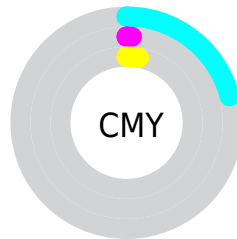
- Red (79%)
- Green (99%)
- Blue (97%)



- Red (79%)
- Yellow (89%)
- Blue (99%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (1%)




- Cyan (21%)
- Magenta (1%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.8928, 0.2855, 0.3342 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 88.8928, 0.2855, 0.3342 by changing the saturation by 10% instead.




 88.8928, 0.2855,  
0.3342

 88.8928, 0.2855,  
0.3342


524.4226, 0.2976,  
0.3320

 67.0627, 0.2829,  
0.3347

145.7995, 0.2896,  
0.3335

 49.1356, 0.2796,  
0.3352


181.6449, 0.2912,  
0.3332

 34.7270, 0.2756,  
0.3359


222.9308, 0.2926,  
0.3329

 23.4527, 0.2706,  
0.3368

270.0417, 0.2939,  
0.3327

 14.9281, 0.2639,  
0.3378

323.3619, 0.2950,  
0.3325

 8.7690, 0.2547,  
0.3392


383.2759, 0.2959,


 4.5908, 0.2413,

0.3323


450.1679, 0.2968,  
0.3321


0.3412

 2.0092, 0.2200,  
0.3438

 0.6128, 0.1044,  
0.3710


 88.8928, 0.2855,  
0.3342

 88.8928, 0.2855,  
0.3342


 85.5103, 0.2732,  
0.3372


 92.8587, 0.2988,  
0.3315


 82.6725, 0.2622,  
0.3403

 97.4229, 0.3129,  
0.3290

 80.3527, 0.2528,  
0.3436

 98.0886, 0.3131,  
0.3266

 78.5179, 0.2451,  
0.3470

 98.1158, 0.3128,  
0.3262

■ 77.1312, 0.2395,  
0.3505

■ 76.1503, 0.2357,  
0.3540

■ 75.5250, 0.2339,  
0.3574

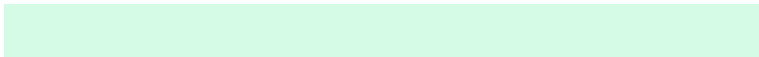
■ 75.1736, 0.2336,  
0.3609

■ 75.1701, 0.2336,  
0.3609

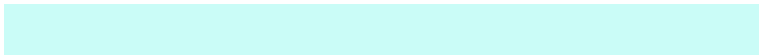
# Harmonies

## Analogous

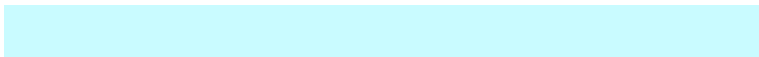
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8928, 0.3014, 0.3509



88.8928, 0.2855, 0.3342



88.8928, 0.2769, 0.3166

# Triad

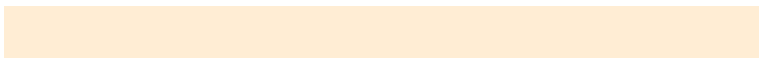
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.8928, 0.2855, 0.3342



88.8928, 0.3040, 0.2991



88.8928, 0.3490, 0.3539

# Complementary

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



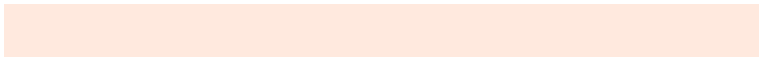
88.8928, 0.2855, 0.3342



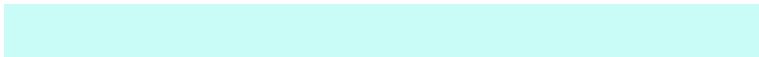
67.4034, 0.3484, 0.3239

# 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.



88.8928, 0.3499, 0.3396



88.8928, 0.2855, 0.3342



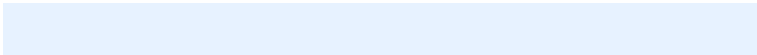
88.8928, 0.3235, 0.3085

# Square

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



88.8928, 0.2855, 0.3342



88.8928, 0.2873, 0.2970



88.8928, 0.3405, 0.3231



88.8928, 0.3381, 0.3621

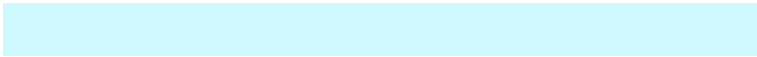


# Rectangle

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



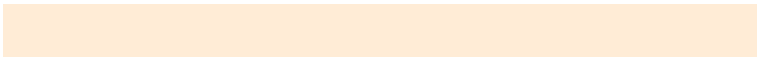
88.8928, 0.2855, 0.3342



88.8928, 0.2763, 0.3069



88.8928, 0.3405, 0.3231



88.8928, 0.3505, 0.3496

# Sweetspot

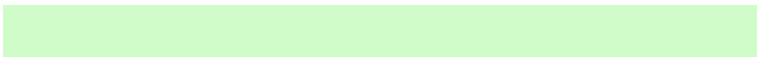
The Sweet Spot groups the original color and five complimentary colors.



88.8965, 0.2855, 0.3342



97.1145, 0.3042, 0.3305



87.2715, 0.3138, 0.3835



20.7222, 0.3033, 0.3306



0.0000, 0.0000, 0.0000

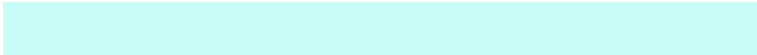


21.4041, 0.3127, 0.3290

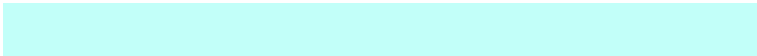


# Same Dimension

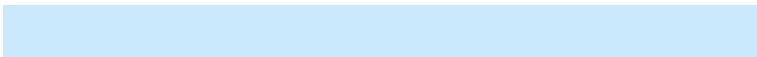
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.8965, 0.2855, 0.3342



89.7944, 0.2803, 0.3354



77.7483, 0.2816, 0.3084



19.5769, 0.2994, 0.3314



39.1611, 0.2334, 0.3603



3.6354, 0.2323, 0.3562



# Inverse Universe

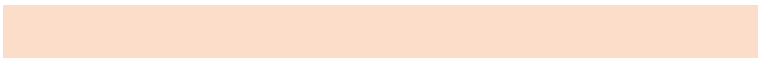
The Inverse Universe completely reimagines the original color for something new.



67.4034, 0.3484, 0.3239



63.9214, 0.3581, 0.3228



76.7387, 0.3486, 0.3488



17.2534, 0.3278, 0.3267



10.8272, 0.6287, 0.3237

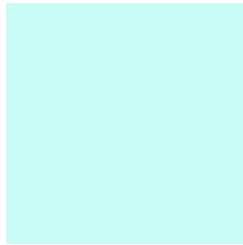


1.0119, 0.6063, 0.3114



# Previews

## White Background



This preview shows how the Yxy color 88.8928, 0.2855, 0.3342 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

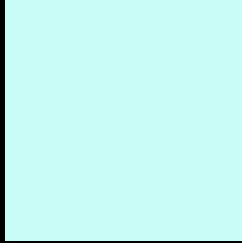
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.8928, 0.2855, 0.3342 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

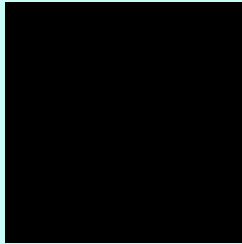
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.8928, 0.2855, 0.3342**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.8928, 0.2855, 0.3342.

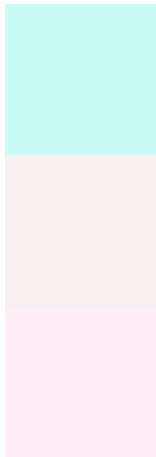


This preview shows how white text looks on a background with the Yxy color 88.8928, 0.2855, 0.3342.

# 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

88.8928, 0.2855, 0.3342

### Protanopia

88.2043, 0.3167, 0.3290

### Deuteranopia

88.6057, 0.3179, 0.3184



## Tritanopia

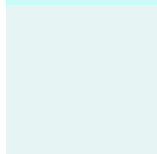
88.5324, 0.2944, 0.3188

# Trichromacy



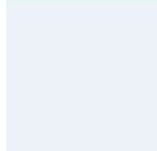
## Original Color

88.8928, 0.2855, 0.3342



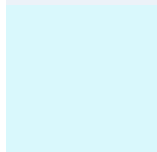
## Protanomaly

87.9954, 0.3044, 0.3300



## Deuteranomaly

88.1144, 0.3053, 0.3230



## Tritanomaly

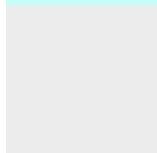
88.9148, 0.2914, 0.3248

# Monochromacy



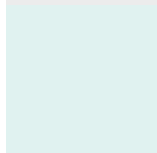
## Original Color

88.8928, 0.2855, 0.3342



## Achromatopsia

83.8799, 0.3127, 0.3290



## Achromatomaly

85.6428, 0.3023, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.8928, 0.2855, 0.3342 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(202, 252, 247)` looks like.

```
.text, #text, p{  
    color:rgb(202, 252, 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(202, 252, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 252, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 88.8928, 0.2855, 0.3342 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(202, 252, 247) }
```

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

```
.border{ border-color:rgb(202, 252, 247) }
```

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

Here you see how a box with a 4 pixel rgb(202, 252, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 252, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 252, 247);  
box-shadow:4px 4px 4px 4px rgb(202, 252,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.8928, 0.2855, 0.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 252, 247) }
```

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

```
.background{ background-color: rgb(202,  
252, 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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