

# Converting Colors

$Yxy(83.2678, 0.2880, 0.3344)$

Have a look what the booklet for  
Yxy(83.2678, 0.2880, 0.3344)  
contains.

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# Color

**Yxy(83.2127, 0.2883, 0.3343)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8F4EF
RGB	200, 244, 239
RGB Percent	78%, 96%, 94%
CMY	0.2154, 0.0432, 0.0627
CMYK	0.18, 0.00, 0.02, 0.04
HSL	173°, 67%, 87%
HSV	173°, 18%, 96%
XYZ	71.7626, 83.2127, 93.9410
YIQ	230.2740, -24.6190, -10.8830

# Conversions

## Conversions Part 2

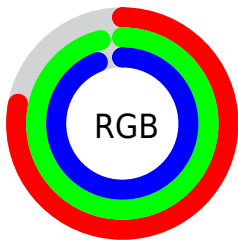
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	200, 223, 244
Decimal	13169903
CIE Lab	93.11, -15.00, -2.28
CIE LCh	93, 15.172, 188.648
Yxy	83.2127, 0.2883, 0.3343
Android (android.graphics.Color)	4291359983 (0xFFC8F4EF)
YUV	230.2740, 4.3019, -26.5503
Hunter-Lab	91.2210, -19.2128, 2.7968

# Details

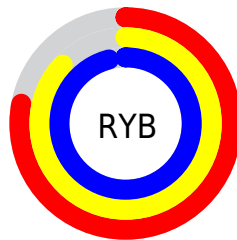
The Yxy color **83.2127, 0.2883, 0.3343** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.9805, 0.3438, 0.3238**, and the grayscale version is **79.3356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4051, 0.2827, 0.3359** is the 20% darker color. If you saturate the color by 10%, you get **79.9565, 0.2759, 0.3376**, and if you desaturate by 10%, it is **87.0144, 0.3016, 0.3312**.

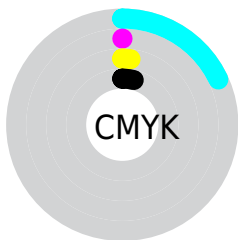
# Distribution



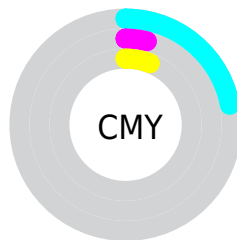
- Red (78%)
- Green (96%)
- Blue (94%)



- Red (78%)
- Yellow (87%)
- Blue (96%)



- Cyan (18%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)



- Cyan (22%)
- Magenta (4%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2127, 0.2883, 0.3343 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 83.2127, 0.2883, 0.3343 by changing the saturation by 10% instead.




 83.2127, 0.2883,  
0.3343

 83.2127, 0.2883,  
0.3343


505.6951, 0.2993,  
0.3320

 62.3656, 0.2859,  
0.3348

137.8733, 0.2921,  
0.3335

 45.3282, 0.2829,  
0.3354


172.4557, 0.2935,  
0.3332

 31.7160, 0.2792,  
0.3361

212.3852, 0.2948,  
0.3329

 21.1447, 0.2744,  
0.3371

258.0464, 0.2959,  
0.3327

 13.2298, 0.2680,  
0.3383

309.8236, 0.2969,  
0.3325

 7.5870, 0.2592,  
0.3399

368.1012, 0.2978,

 3.8318, 0.2460,

0.3323

433.2636, 0.2986,  
0.3321

0.3423

1.5799, 0.2242,  
0.3457

0.3440, 0.0000,  
0.3918

83.2127, 0.2883,  
0.3343

83.2127, 0.2883,  
0.3343

79.9565, 0.2759,  
0.3376

87.0144, 0.3016,  
0.3312

77.2101, 0.2648,  
0.3411


91.3751, 0.3155,  
0.3285

74.9496, 0.2552,  
0.3449


92.6906, 0.3178,  
0.3258


73.1449, 0.2473,  
0.3487


92.8632, 0.3162,  
0.3232

 71.7626, 0.2413,  
0.3527


 93.0384, 0.3145,  
0.3205

 70.7650, 0.2373,  
0.3567

 93.1757, 0.3132,  
0.3185

 70.1073, 0.2352,  
0.3606

 69.7283, 0.2348,  
0.3646

 69.6681, 0.2348,  
0.3653

# Harmonies

## Analogous

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



83.2127, 0.3029, 0.3493



83.2127, 0.2883, 0.3343



83.2127, 0.2802, 0.3182

# Triad

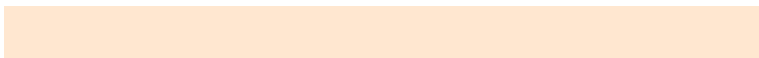
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2127, 0.2883, 0.3343



83.2127, 0.3042, 0.3015



83.2127, 0.3459, 0.3514

# Complementary

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



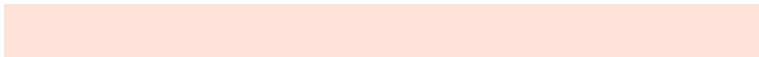
83.2127, 0.2883, 0.3343



64.9805, 0.3438, 0.3238

# 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.



83.2127, 0.3464, 0.3382



83.2127, 0.2883, 0.3343



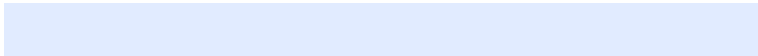
83.2127, 0.3220, 0.3099

# Square

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



83.2127, 0.2883, 0.3343



83.2127, 0.2892, 0.2999



83.2127, 0.3375, 0.3232

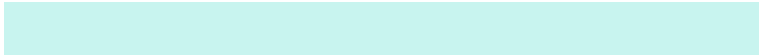


83.2127, 0.3363, 0.3590

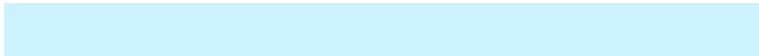


# Rectangle

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



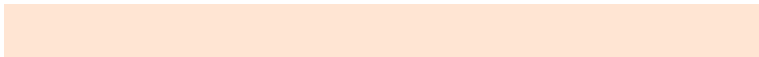
83.2127, 0.2883, 0.3343



83.2127, 0.2794, 0.3093



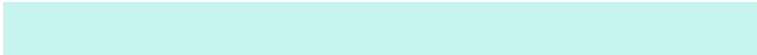
83.2127, 0.3375, 0.3232



83.2127, 0.3471, 0.3474

# Sweetspot

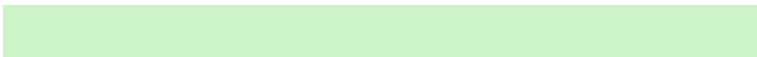
The Sweet Spot groups the original color and five complimentary colors.



83.2161, 0.2883, 0.3343



97.5686, 0.3057, 0.3304



81.8750, 0.3137, 0.3777



20.8133, 0.3047, 0.3306



0.0000, 0.0000, 0.0000

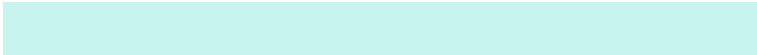


21.4041, 0.3127, 0.3290

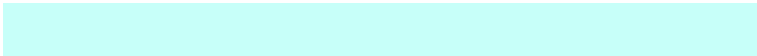


# Same Dimension

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



83.2161, 0.2883, 0.3343



90.4649, 0.2832, 0.3356



73.8410, 0.2846, 0.3105



18.7235, 0.2996, 0.3317



37.8980, 0.2346, 0.3647



3.3399, 0.2333, 0.3598



# Inverse Universe

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



64.9805, 0.3438, 0.3238



66.4817, 0.3527, 0.3226



72.9804, 0.3446, 0.3468



16.5131, 0.3276, 0.3263



10.5126, 0.6264, 0.3224

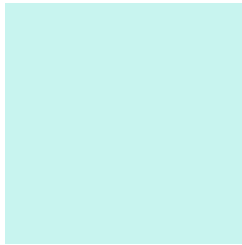


0.9337, 0.6007, 0.3083



# Previews

## White Background



This preview shows how the Yxy color 83.2127, 0.2883, 0.3343 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

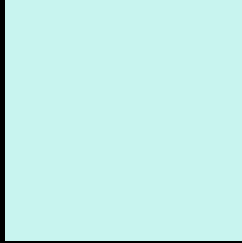
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.2127, 0.2883, 0.3343 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

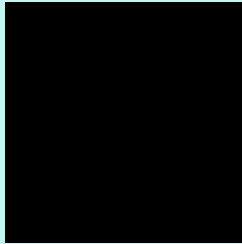
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

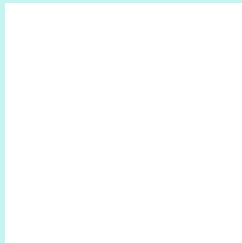
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.2127, 0.2883, 0.3343**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.2127, 0.2883, 0.3343.

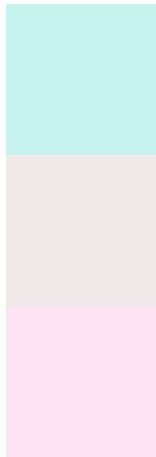


This preview shows how white text looks on a background with the Yxy color 83.2127, 0.2883, 0.3343.

# 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

83.2127, 0.2883, 0.3343

### Protanopia

83.0796, 0.3167, 0.3300

### Deuteranopia

82.9684, 0.3216, 0.3153



## Tritanopia

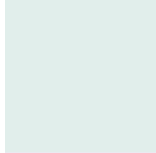
83.3891, 0.2858, 0.3133

# Trichromacy



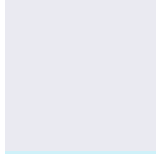
## Original Color

83.2127, 0.2883, 0.3343



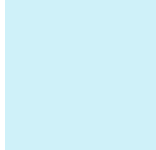
## Protanomaly

83.1548, 0.3060, 0.3321



## Deuteranomaly

82.6889, 0.3084, 0.3218



## Tritanomaly

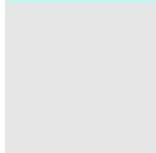
83.0155, 0.2868, 0.3205

# Monochromacy



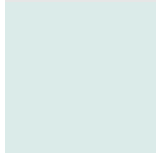
## Original Color

83.2127, 0.2883, 0.3343



## Achromatopsia

79.1298, 0.3127, 0.3290



## Achromatomaly

80.3599, 0.3034, 0.3311

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.2127, 0.2883, 0.3343 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(200, 244, 239)` looks like.

```
.text, #text, p{  
    color:rgb(200, 244, 239)  
}
```

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(200, 244, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 244, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 83.2127, 0.2883, 0.3343 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(200, 244, 239) }
```

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

```
.border{ border-color:rgb(200, 244, 239) }
```

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

Here you see how a box with a 4 pixel rgb(200, 244, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 244, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 244, 239);  
box-shadow:4px 4px 4px 4px rgb(200, 244,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.2127, 0.2883, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 244, 239) }
```

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

```
.background{ background-color: rgb(200,  
244, 239) }
```

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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