

# Converting Colors

$Yxy(86.0842, 0.2853, 0.3340)$

Have a look what the booklet for  
Yxy(86.0842, 0.2853, 0.3340)  
contains.

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# Color

**Yxy(86.4251, 0.2853, 0.3342)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7F9F4
RGB	199, 249, 244
RGB Percent	78%, 98%, 96%
CMY	0.2192, 0.0236, 0.0430
CMYK	0.20, 0.00, 0.02, 0.02
HSL	174°, 81%, 88%
HSV	174°, 20%, 98%
XYZ	73.7794, 86.4251, 98.3984
YIQ	233.4800, -28.1950, -12.1550

# Conversions

## Conversions Part 2

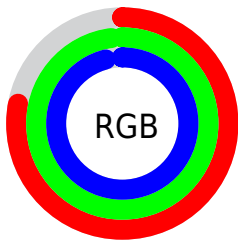
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 225, 249
Decimal	13105652
CIE <sub>Lab</sub>	94.49, -16.75, -2.86
CIE <sub>LCh</sub>	94, 16.990, 189.677
Yxy	86.4251, 0.2853, 0.3342
Android (android.graphics.Color)	4291295732 (0xFFC7F9F4)
YUV	233.4800, 5.1864, -30.2390
Hunter-Lab	92.9651, -21.0269, 2.3204

# Details

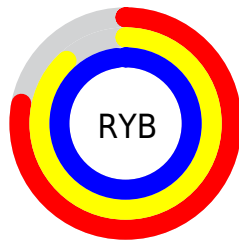
The Yxy color **86.4251, 0.2853, 0.3342** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.3906, 0.3488, 0.3239**, and the grayscale version is **81.8582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.2594, 0.2790, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **83.1454, 0.2730, 0.3371**, and if you desaturate by 10%, it is **90.2712, 0.2986, 0.3315**.

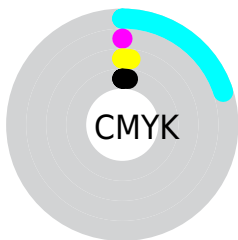
# Distribution



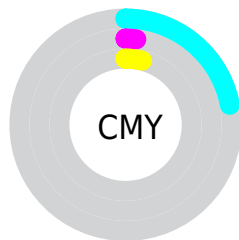
- Red (78%)
- Green (98%)
- Blue (96%)



- Red (78%)
- Yellow (88%)
- Blue (98%)



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




- Cyan (22%)
- Magenta (2%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.4251, 0.2853, 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 86.4251, 0.2853, 0.3342 by changing the saturation by 10% instead.




 86.4251, 0.2853,  
0.3342

 86.4251, 0.2853,  
0.3342


516.3319, 0.2975,  
0.3320

 65.0196, 0.2826,  
0.3347


142.3626, 0.2895,  
0.3335

 47.4769, 0.2793,  
0.3352


177.6633, 0.2911,  
0.3332

 33.4128, 0.2752,  
0.3359


218.3645, 0.2925,  
0.3329

 22.4429, 0.2700,  
0.3368

264.8506, 0.2938,  
0.3327

 14.1827, 0.2632,  
0.3379

317.5060, 0.2949,  
0.3325

 8.2478, 0.2536,  
0.3393


376.7151, 0.2959,


 4.2539, 0.2397,


0.3323


0.3413


442.8622, 0.2967,  
0.3321


 1.8166, 0.2172,  
0.3439


 0.4975, 0.0491,  
0.3819


 86.4251, 0.2853,  
0.3342


 86.4251, 0.2853,  
0.3342


 83.1454, 0.2730,  
0.3371

 90.2712, 0.2986,  
0.3315


 80.3944, 0.2620,  
0.3403

 94.6982, 0.3127,  
0.3290

 78.1463, 0.2526,  
0.3435

 95.9934, 0.3151,  
0.3266

 76.3689, 0.2450,  
0.3469

 96.1509, 0.3136,  
0.3243

75.0264, 0.2394,  
0.3504

96.2201, 0.3130,  
0.3233

74.0777, 0.2357,  
0.3538

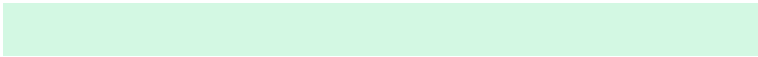
73.4739, 0.2338,  
0.3572

73.1346, 0.2335,  
0.3606

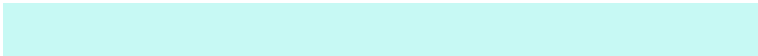
# Harmonies

## Analogous

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



86.4251, 0.3012, 0.3510



86.4251, 0.2853, 0.3342



86.4251, 0.2767, 0.3165

# Triad

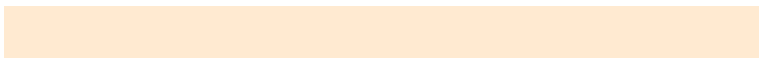
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.4251, 0.2853, 0.3342



86.4251, 0.3039, 0.2989



86.4251, 0.3492, 0.3541

# Complementary

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



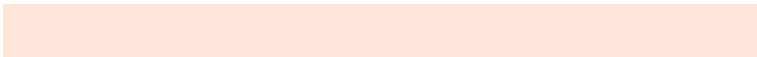
86.4251, 0.2853, 0.3342



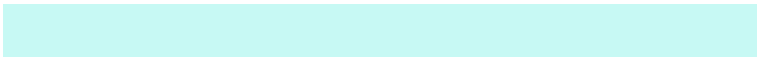
65.3906, 0.3488, 0.3239

# 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.



86.4251, 0.3502, 0.3397



86.4251, 0.2853, 0.3342



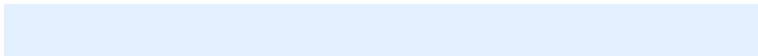
86.4251, 0.3236, 0.3084

# Square

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



86.4251, 0.2853, 0.3342



86.4251, 0.2872, 0.2968



86.4251, 0.3407, 0.3231

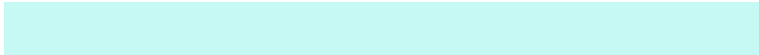


86.4251, 0.3383, 0.3624



# Rectangle

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



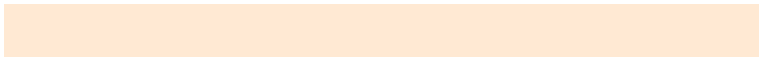
86.4251, 0.2853, 0.3342



86.4251, 0.2761, 0.3067



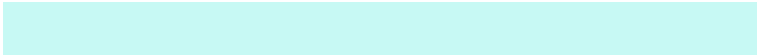
86.4251, 0.3407, 0.3231



86.4251, 0.3507, 0.3498

# Sweetspot

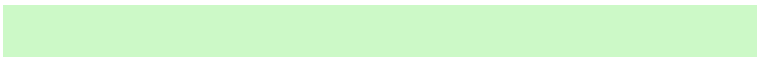
The Sweet Spot groups the original color and five complimentary colors.



86.4287, 0.2853, 0.3342



97.1152, 0.3042, 0.3305



84.7177, 0.3133, 0.3840



20.7224, 0.3033, 0.3306



0.0000, 0.0000, 0.0000

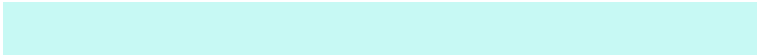


21.4041, 0.3127, 0.3290

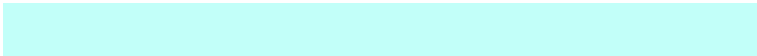


# Same Dimension

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



86.4287, 0.2853, 0.3342



89.7973, 0.2802, 0.3353



75.0481, 0.2813, 0.3073



19.5771, 0.2994, 0.3313



39.1664, 0.2334, 0.3601



3.6358, 0.2322, 0.3560



# Inverse Universe

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



65.3906, 0.3488, 0.3239



63.9193, 0.3581, 0.3228



74.9543, 0.3487, 0.3498



17.2532, 0.3278, 0.3267



10.8267, 0.6288, 0.3238

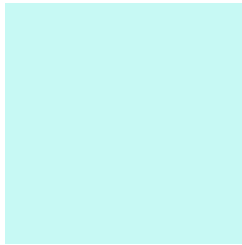


1.0118, 0.6066, 0.3115



# Previews

## White Background



This preview shows how the Yxy color 86.4251, 0.2853, 0.3342 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

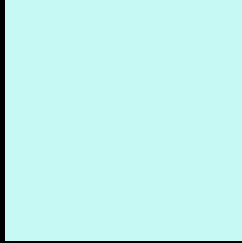
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.4251, 0.2853, 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

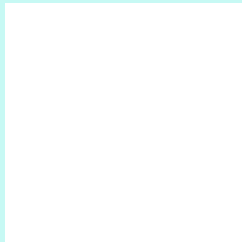
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.4251, 0.2853, 0.3342**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.4251, 0.2853, 0.3342.

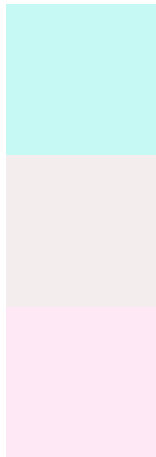


This preview shows how white text looks on a background with the Yxy color 86.4251, 0.2853, 0.3342.

# 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

86.4251, 0.2853, 0.3342

### Protanopia

85.7375, 0.3167, 0.3290

### Deuteranopia

85.6270, 0.3194, 0.3154



## Tritanopia

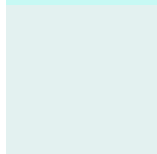
86.2266, 0.2901, 0.3166

# Trichromacy



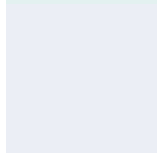
## Original Color

86.4251, 0.2853, 0.3342



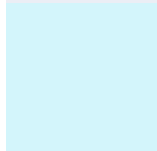
## Protanomaly

85.5328, 0.3043, 0.3300



## Deuteranomaly

85.4038, 0.3065, 0.3219



## Tritanomaly

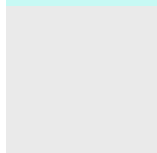
86.1187, 0.2883, 0.3227

# Monochromacy



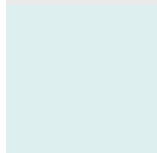
## Original Color

86.4251, 0.2853, 0.3342



## Achromatopsia

82.2786, 0.3127, 0.3290



## Achromatomaly

83.2782, 0.3016, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.4251, 0.2853, 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(199, 249, 244)` looks like.

```
.text, #text, p{  
    color:rgb(199, 249, 244)  
}
```

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(199, 249, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 249, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 86.4251, 0.2853, 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(199, 249, 244) }
```

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

```
.border{ border-color:rgb(199, 249, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 249, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 249, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 249, 244);  
box-shadow:4px 4px 4px 4px rgb(199, 249,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.4251, 0.2853, 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(199, 249, 244) }
```

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

```
.background{ background-color: rgb(199,  
249, 244) }
```

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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