

# Converting Colors

$Yxy(86.5696, 0.3001, 0.3477)$

Have a look what the booklet for  
Yxy(86.5696, 0.3001, 0.3477)  
contains.

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# Color

**Yxy(86.6969, 0.3000, 0.3481)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3F8E6
RGB	211, 248, 230
RGB Percent	83%, 97%, 90%
CMY	0.1724, 0.0274, 0.0981
CMYK	0.15, 0.00, 0.07, 0.03
HSL	151°, 73%, 90%
HSV	151°, 15%, 97%
XYZ	74.7172, 86.6969, 87.6433
YIQ	234.8850, -16.2740, -13.4420

# Conversions

## Conversions Part 2

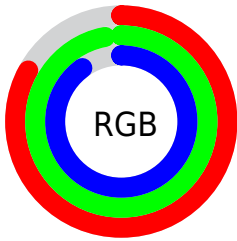
Format	Color
R <sub>Y</sub> B	211, 235, 248
Decimal	13891814
CIE Lab	94.61, -15.31, 4.66
CIE LCh	95, 16.003, 163.063
Yxy	86.6969, 0.3000, 0.3481
Android (android.graphics.Color)	4292081894 (0xFFD3F8E6)
YUV	234.8850, -2.4083, -20.9471
Hunter-Lab	93.1112, -19.7069, 9.3696

# Details

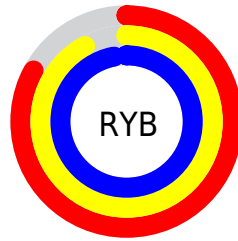
The Yxy color **86.6969, 0.3000, 0.3481** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.2184, 0.3276, 0.3107**, and the grayscale version is **83.0183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8623, 0.2967, 0.3524** is the 20% darker color. If you saturate the color by 10%, you get **82.6595, 0.2919, 0.3627**, and if you desaturate by 10%, it is **91.3538, 0.3085, 0.3349**.

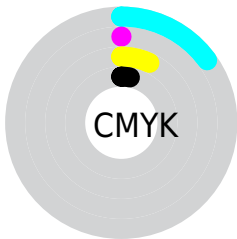
# Distribution



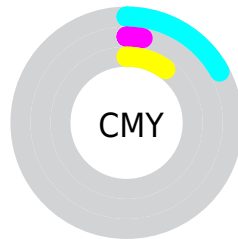
- Red (83%)
- Green (97%)
- Blue (90%)



- Red (83%)
- Yellow (92%)
- Blue (97%)



- Cyan (15%)
- Magenta (0%)
- Yellow (7%)
- Black (3%)




- Cyan (17%)
- Magenta (3%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.6969, 0.3000, 0.3481 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 86.6969, 0.3000, 0.3481 by changing the saturation by 10% instead.




 86.6969, 0.3000,  
0.3481

 86.6969, 0.3000,  
0.3481


517.2264, 0.3058,  
0.3394

 65.2444, 0.2987,  
0.3501


142.7416, 0.3020,  
0.3451

 47.6593, 0.2971,  
0.3525

178.1026, 0.3028,  
0.3439

 33.5571, 0.2951,  
0.3555


218.8685, 0.3034,  
0.3429

 22.5536, 0.2926,  
0.3594

265.4238, 0.3040,  
0.3420

 14.2642, 0.2891,  
0.3646

318.1529, 0.3045,  
0.3413

 8.3047, 0.2843,  
0.3721


377.4400, 0.3050,


 4.2905, 0.2770,

0.3406


0.3835


443.6697, 0.3054,  
0.3400


 1.8374, 0.2646,  
0.4030


 0.5103, 0.1308,  
0.5994


 86.6969, 0.3000,  
0.3481


 86.6969, 0.3000,  
0.3481


 82.6595, 0.2919,  
0.3627


 91.3538, 0.3085,  
0.3349

 79.2039, 0.2844,  
0.3788

 95.5613, 0.3135,  
0.3231

 76.3049, 0.2779,  
0.3962

 95.6156, 0.3130,  
0.3223

 73.9312, 0.2727,  
0.4146

■ 72.0482, 0.2692,  
0.4337

■ 70.6170, 0.2675,  
0.4531

■ 69.5926, 0.2679,  
0.4722

■ 68.9196, 0.2703,  
0.4905

■ 68.6713, 0.2721,  
0.4995

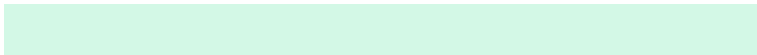
# Harmonies

## Analogous

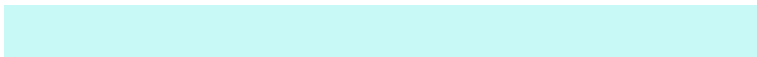
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6969, 0.3181, 0.3588



86.6969, 0.3000, 0.3481



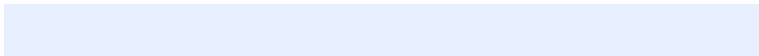
86.6969, 0.2856, 0.3320

# Triad

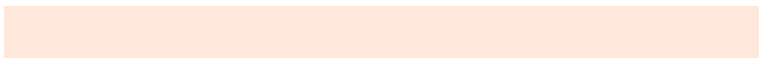
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.6969, 0.3000, 0.3481



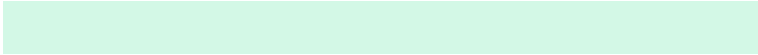
86.6969, 0.2902, 0.2985



86.6969, 0.3483, 0.3408

# Complementary

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



86.6969, 0.3000, 0.3481



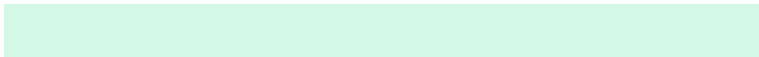
72.2184, 0.3276, 0.3107

# 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.



86.6969, 0.3404, 0.3252



86.6969, 0.3000, 0.3481



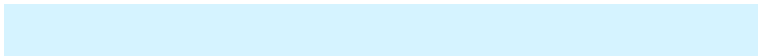
86.6969, 0.3065, 0.3013

# Square

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



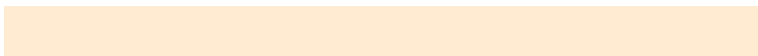
86.6969, 0.3000, 0.3481



86.6969, 0.2800, 0.3034



86.6969, 0.3250, 0.3110

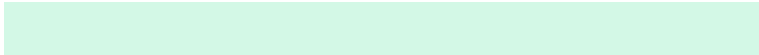


86.6969, 0.3463, 0.3539

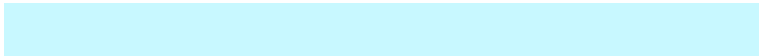


# Rectangle

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



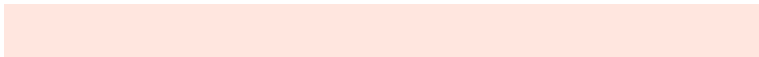
86.6969, 0.3000, 0.3481



86.6969, 0.2798, 0.3207



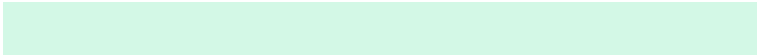
86.6969, 0.3250, 0.3110



86.6969, 0.3467, 0.3357

# Sweetspot

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



86.7005, 0.3000, 0.3481



97.8004, 0.3093, 0.3338



88.5828, 0.3228, 0.3675



20.8474, 0.3086, 0.3348



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

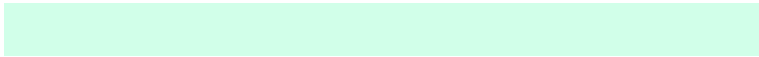


# Same Dimension

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



86.7005, 0.3000, 0.3481



90.9519, 0.2974, 0.3525



87.7659, 0.2900, 0.3289



19.4578, 0.3046, 0.3408



37.1243, 0.2713, 0.4967



3.4598, 0.2654, 0.4753



# Inverse Universe

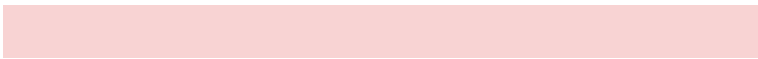
The Inverse Universe completely reimagines the original color for something new.



72.2184, 0.3276, 0.3107



72.7062, 0.3313, 0.3066



71.2631, 0.3407, 0.3291



17.3662, 0.3217, 0.3175



11.5527, 0.5016, 0.2537



1.0913, 0.4743, 0.2386



# Previews

## White Background



This preview shows how the Yxy color 86.6969, 0.3000, 0.3481 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

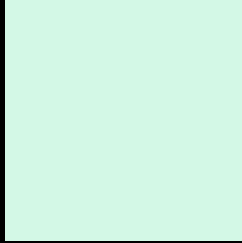
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.6969, 0.3000, 0.3481 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

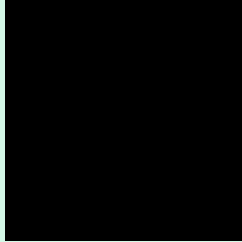
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

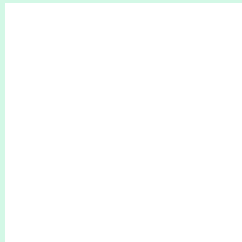
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.6969, 0.3000, 0.3481**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.6969, 0.3000, 0.3481.

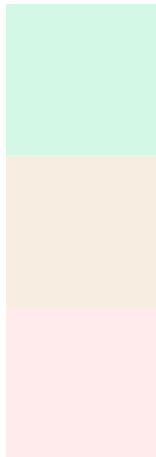


This preview shows how white text looks on a background with the Yxy color 86.6969, 0.3000, 0.3481.

# 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

86.6969, 0.3000, 0.3481

### Protanopia

86.3595, 0.3269, 0.3421

### Deuteranopia

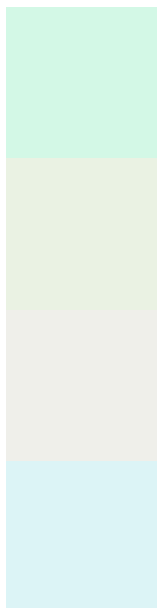
86.1618, 0.3257, 0.3271



## Tritanopia

86.7318, 0.2944, 0.3158

# Trichromacy



## Original Color

86.6969, 0.3000, 0.3481

## Protanomaly

86.5427, 0.3166, 0.3444

## Deuteranomaly

86.0242, 0.3158, 0.3341

## Tritanomaly

86.5708, 0.2964, 0.3269

# Monochromacy



## Original Color

86.6969, 0.3000, 0.3481

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

84.3721, 0.3078, 0.3363

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.6969, 0.3000, 0.3481 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(211, 248, 230)` looks like.

```
.text, #text, p{  
    color:rgb(211, 248, 230)  
}
```

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(211, 248, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 248, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 86.6969, 0.3000, 0.3481 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(211, 248, 230) }
```

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

```
.border{ border-color:rgb(211, 248, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 248, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 248, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 248, 230);  
box-shadow:4px 4px 4px 4px rgb(211, 248,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.6969, 0.3000, 0.3481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 248, 230) }
```

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

```
.background{ background-color: rgb(211,  
248, 230) }
```

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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