

# Converting Colors

Yxy(86.4219, 0.2958, 0.3492)

Have a look what the booklet for  
Yxy(86.4219, 0.2958, 0.3492)  
contains.

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# Color

**Yxy(86.3019, 0.2958, 0.3494)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCF9E6
RGB	204, 249, 230
RGB Percent	80%, 98%, 90%
CMY	0.1998, 0.0235, 0.0982
CMYK	0.18, 0.00, 0.08, 0.02
HSL	155°, 79%, 89%
HSV	155°, 18%, 98%
XYZ	73.0627, 86.3019, 87.6357
YIQ	233.3790, -20.7210, -15.4490

# Conversions

## Conversions Part 2

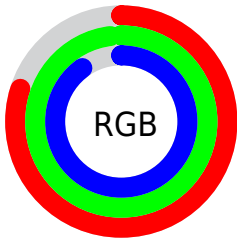
Format	Color
R <sub>Y</sub> B	204, 233, 249
Decimal	13433318
CIE Lab	94.44, -18.02, 4.38
CIE LCh	94, 18.539, 166.343
Yxy	86.3019, 0.2958, 0.3494
Android (android.graphics.Color)	4291623398 (0xFFCCCF9E6)
YUV	233.3790, -1.6658, -25.7654
Hunter-Lab	92.8988, -22.1870, 9.0982

# Details

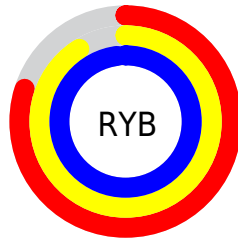
The Yxy color **86.3019, 0.2958, 0.3494** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.6764, 0.3335, 0.3095**, and the grayscale version is **81.8154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.1840, 0.2914, 0.3527** is the 20% darker color. If you saturate the color by 10%, you get **82.4882, 0.2871, 0.3624**, and if you desaturate by 10%, it is **90.7212, 0.3051, 0.3376**.

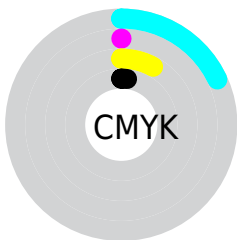
# Distribution



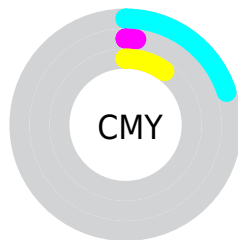
- Red (80%)
- Green (98%)
- Blue (90%)



- Red (80%)
- Yellow (91%)
- Blue (98%)



- Cyan (18%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)




- Cyan (20%)
- Magenta (2%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.3019, 0.2958, 0.3494 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 86.3019, 0.2958, 0.3494 by changing the saturation by 10% instead.



 86.3019, 0.2958,  
0.3494

 86.3019, 0.2958,  
0.3494

515.9262, 0.3035,  
0.3401

 64.9176, 0.2941,  
0.3515


142.1907, 0.2984,  
0.3462

 47.3943, 0.2920,  
0.3541


177.4641, 0.2995,  
0.3450

 33.3475, 0.2894,  
0.3573


218.1359, 0.3003,  
0.3439

 22.3928, 0.2860,  
0.3615

264.5906, 0.3011,  
0.3429

 14.1458, 0.2814,  
0.3671

317.2126, 0.3018,  
0.3421

 8.2221, 0.2751,  
0.3751

376.3862, 0.3024,

 4.2374, 0.2654,

0.3414

0.3874

442.4960, 0.3030,  
0.3407

■ 1.8072, 0.2492,  
0.4084

■ 0.4917, 0.0368,  
0.6568

■ 86.3019, 0.2958,  
0.3494

■ 86.3019, 0.2958,  
0.3494

■ 82.4882, 0.2871,  
0.3624

■ 90.7212, 0.3051,  
0.3376

■ 79.2420, 0.2792,  
0.3766

■ 95.7607, 0.3146,  
0.3270

■ 76.5373, 0.2724,  
0.3918

■ 96.2320, 0.3130,  
0.3233

■ 74.3421, 0.2671,  
0.4079

■ 72.6204, 0.2636,  
0.4245

■ 71.3319, 0.2622,  
0.4413

■ 70.4285, 0.2628,  
0.4579

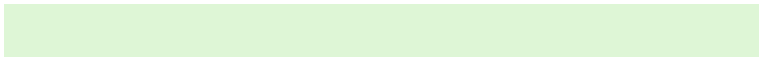
■ 69.8453, 0.2652,  
0.4739

■ 69.7511, 0.2658,  
0.4770

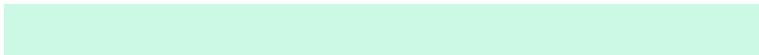
# Harmonies

## Analogous

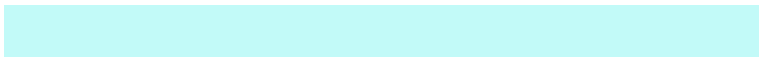
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3019, 0.3165, 0.3628



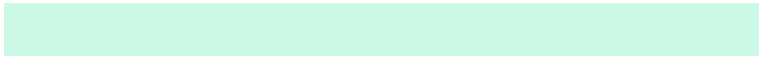
86.3019, 0.2958, 0.3494



86.3019, 0.2799, 0.3302

# Triad

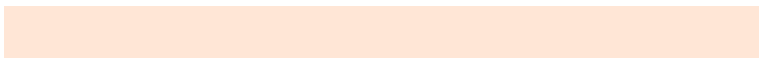
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.3019, 0.2958, 0.3494



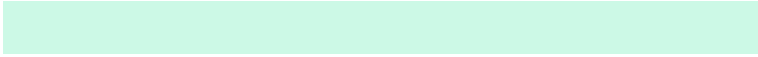
86.3019, 0.2884, 0.2936



86.3019, 0.3544, 0.3444

# Complementary

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



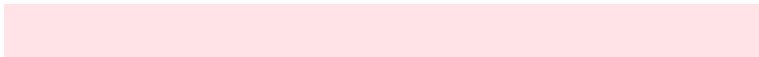
86.3019, 0.2958, 0.3494



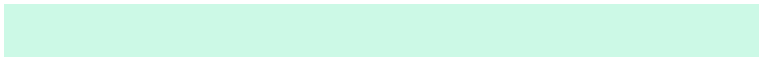
68.6764, 0.3335, 0.3095

# 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.



86.3019, 0.3464, 0.3265



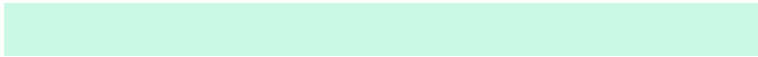
86.3019, 0.2958, 0.3494



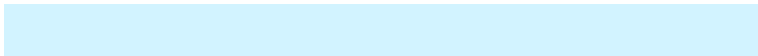
86.3019, 0.3078, 0.2979

# Square

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



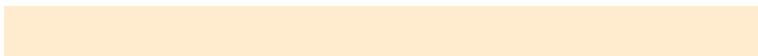
86.3019, 0.2958, 0.3494



86.3019, 0.2758, 0.2983



86.3019, 0.3291, 0.3098

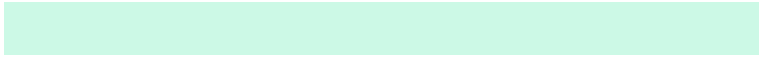


86.3019, 0.3508, 0.3591

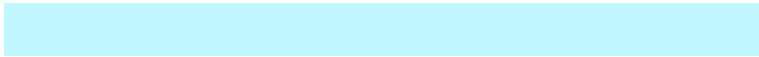


# Rectangle

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



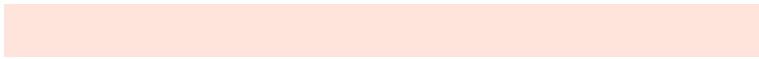
86.3019, 0.2958, 0.3494



86.3019, 0.2740, 0.3172



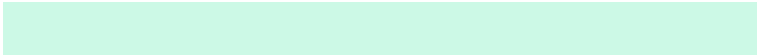
86.3019, 0.3291, 0.3098



86.3019, 0.3530, 0.3385

# Sweetspot

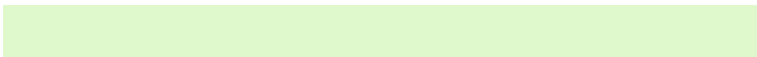
The Sweet Spot groups the original color and five complimentary colors.



86.3055, 0.2958, 0.3494



97.3185, 0.3079, 0.3343



87.8846, 0.3229, 0.3765



20.7524, 0.3073, 0.3350



0.0000, 0.0000, 0.0000

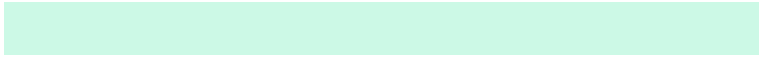


21.4041, 0.3127, 0.3290

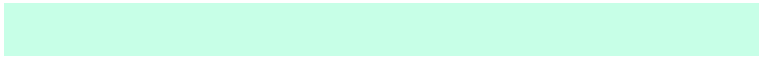


# Same Dimension

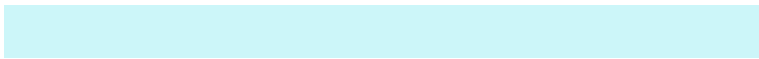
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3055, 0.2958, 0.3494



89.4313, 0.2923, 0.3544



85.5962, 0.2853, 0.3258



19.4770, 0.3037, 0.3392



37.3654, 0.2651, 0.4744



3.4819, 0.2598, 0.4553



# Inverse Universe

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



68.6764, 0.3335, 0.3095



67.3704, 0.3391, 0.3050



69.1446, 0.3474, 0.3322



17.3472, 0.3227, 0.3190



11.3587, 0.5285, 0.2685

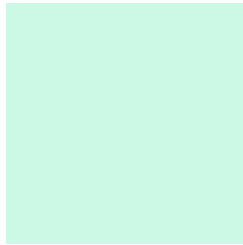


1.0727, 0.4979, 0.2516



# Previews

## White Background



This preview shows how the Yxy color 86.3019, 0.2958, 0.3494 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 86.3019, 0.2958, 0.3494 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

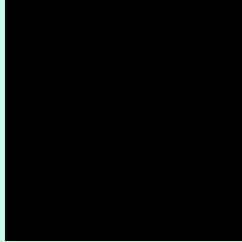
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

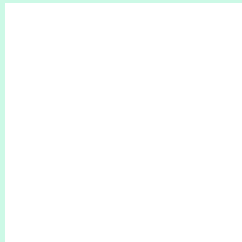
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.3019, 0.2958, 0.3494**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.3019, 0.2958, 0.3494.

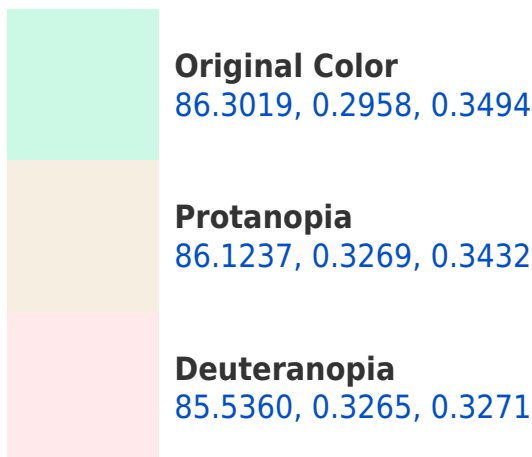


This preview shows how white text looks on a background with the Yxy color 86.3019, 0.2958, 0.3494.

# 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

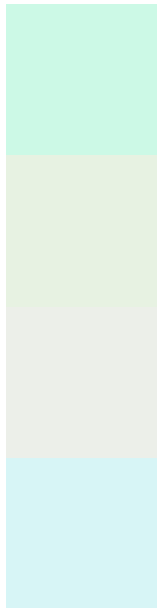




## Tritanopia

86.0964, 0.2919, 0.3157

# Trichromacy



**Original Color**

86.3019, 0.2958, 0.3494

**Protanomaly**

85.9842, 0.3152, 0.3455

**Deuteranomaly**

85.4491, 0.3144, 0.3351

**Tritanomaly**

86.4057, 0.2934, 0.3279

# Monochromacy



**Original Color**

86.3019, 0.2958, 0.3494

**Achromatopsia**

81.4847, 0.3127, 0.3290

**Achromatomaly**

83.0888, 0.3058, 0.3363

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.3019, 0.2958, 0.3494 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(204, 249, 230)` looks like.

```
.text, #text, p{  
    color:rgb(204, 249, 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(204, 249, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 249, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 86.3019, 0.2958, 0.3494 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(204, 249, 230) }
```

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

```
.border{ border-color:rgb(204, 249, 230) }
```

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

Here you see how a box with a 4 pixel rgb(204, 249, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 249, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 249, 230);  
box-shadow:4px 4px 4px 4px rgb(204, 249,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.3019, 0.2958, 0.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 249, 230) }
```

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

```
.background{ background-color: rgb(204,  
249, 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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