

# Converting Colors

$Yxy(86.7578, 0.2964, 0.3402)$

Have a look what the booklet for  
Yxy(86.7578, 0.2964, 0.3402)  
contains.

<b>Yxy(86.4848, 0.2960, 0.3395)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(86.4848, 0.2960, 0.3395)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3F7ED
RGB	211, 247, 237
RGB Percent	83%, 97%, 93%
CMY	0.1727, 0.0313, 0.0705
CMYK	0.15, 0.00, 0.04, 0.03
HSL	163°, 69%, 90%
HSV	163°, 15%, 97%
XYZ	75.4035, 86.4848, 92.8533
YIQ	235.0960, -18.2460, -10.7420

# Conversions

## Conversions Part 2

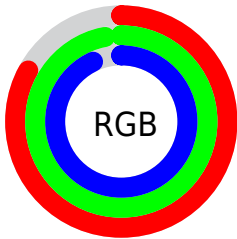
Format	Color
R <sub>Y</sub> B	211, 232, 247
Decimal	13891565
CIE Lab	94.52, -13.51, 0.89
CIE LCh	95, 13.540, 176.230
Yxy	86.4848, 0.2960, 0.3395
Android (android.graphics.Color)	4292081645 (0xFFD3F7ED)
YUV	235.0960, 0.9387, -21.1322
Hunter-Lab	92.9972, -18.0146, 5.8998

# Details

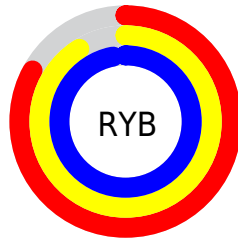
The Yxy color **86.4848, 0.2960, 0.3395** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.5625, 0.3327, 0.3188**, and the grayscale version is **83.1554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.6657, 0.2924, 0.3426** is the 20% darker color. If you saturate the color by 10%, you get **82.7243, 0.2852, 0.3476**, and if you desaturate by 10%, it is **90.8284, 0.3074, 0.3321**.

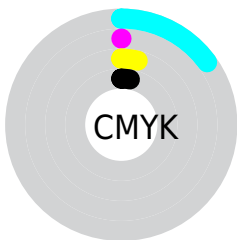
# Distribution



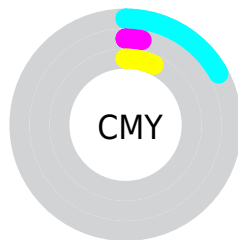
- Red (83%)
- Green (97%)
- Blue (93%)



- Red (83%)
- Yellow (91%)
- Blue (97%)



- Cyan (15%)
- Magenta (0%)
- Yellow (4%)
- Black (3%)




- Cyan (17%)
- Magenta (3%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.4848, 0.2960, 0.3395 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 86.4848, 0.2960, 0.3395 by changing the saturation by 10% instead.




 86.4848, 0.2960,  
0.3395

 86.4848, 0.2960,  
0.3395

516.5284, 0.3035,  
0.3348

 65.0689, 0.2943,  
0.3405


142.4458, 0.2986,  
0.3379

 47.5170, 0.2923,  
0.3418

177.7598, 0.2996,  
0.3373

 33.4445, 0.2898,  
0.3434


218.4752, 0.3004,  
0.3367

 22.4672, 0.2865,  
0.3455

264.9765, 0.3012,  
0.3362

 14.2006, 0.2822,  
0.3483

317.6481, 0.3019,  
0.3358

 8.2603, 0.2762,  
0.3521

376.8743, 0.3025,

 4.2620, 0.2672,

0.3354

0.3579

443.0397, 0.3030,  
0.3351

1.8212, 0.2523,  
0.3675

0.5003, 0.1291,  
0.4433

86.4848, 0.2960,  
0.3395

86.4848, 0.2960,  
0.3395

82.7243, 0.2852,  
0.3476

90.8284, 0.3074,  
0.3321

79.5103, 0.2754,  
0.3564

94.7371, 0.3156,  
0.3255

76.8188, 0.2667,  
0.3658

95.0101, 0.3131,  
0.3214

74.6196, 0.2596,  
0.3757

■ 72.8796, 0.2542,  
0.3861

■ 71.5613, 0.2508,  
0.3966

■ 70.6211, 0.2494,  
0.4072

■ 70.0058, 0.2500,  
0.4177

■ 69.7663, 0.2509,  
0.4233

# Harmonies

## Analogous

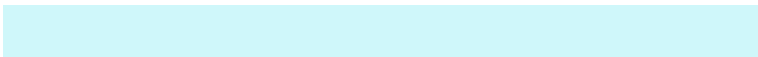
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4848, 0.3105, 0.3509



86.4848, 0.2960, 0.3395



86.4848, 0.2861, 0.3253

# Triad

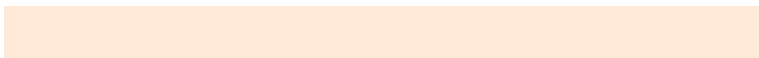
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.4848, 0.2960, 0.3395



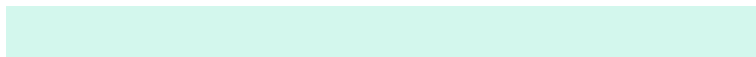
86.4848, 0.2993, 0.3033



86.4848, 0.3431, 0.3444

# Complementary

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



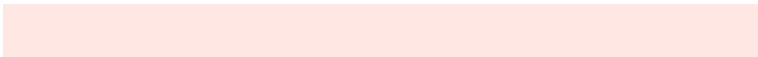
86.4848, 0.2960, 0.3395



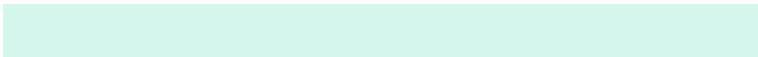
71.5625, 0.3327, 0.3188

# 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.



86.4848, 0.3400, 0.3317



86.4848, 0.2960, 0.3395



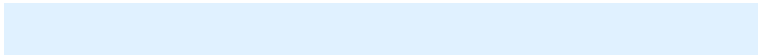
86.4848, 0.3144, 0.3084

# Square

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



86.4848, 0.2960, 0.3395



86.4848, 0.2879, 0.3047



86.4848, 0.3294, 0.3187

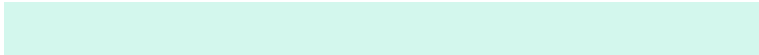


86.4848, 0.3379, 0.3535

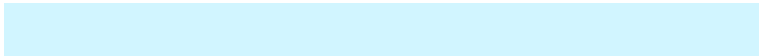


# Rectangle

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



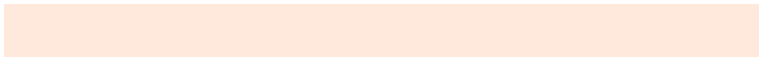
86.4848, 0.2960, 0.3395



86.4848, 0.2833, 0.3164



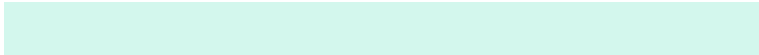
86.4848, 0.3294, 0.3187



86.4848, 0.3430, 0.3404

# Sweetspot

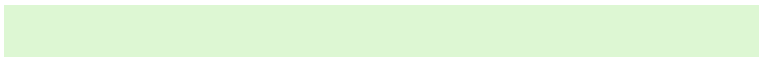
The Sweet Spot groups the original color and five complimentary colors.



86.4884, 0.2960, 0.3395



97.9357, 0.3080, 0.3317



86.6307, 0.3175, 0.3672



20.8817, 0.3072, 0.3323



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

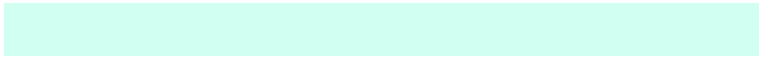


# Same Dimension

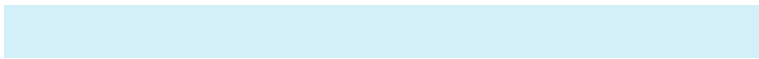
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4884, 0.2960, 0.3395



91.5173, 0.2922, 0.3422



82.4103, 0.2902, 0.3207



18.6749, 0.3018, 0.3356



36.9177, 0.2504, 0.4216



3.2621, 0.2468, 0.4085



# Inverse Universe

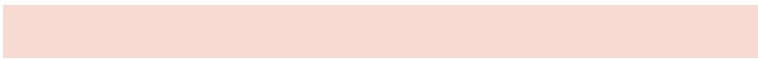
The Inverse Universe completely reimagines the original color for something new.



71.5625, 0.3327, 0.3188



72.1745, 0.3383, 0.3162



75.0211, 0.3388, 0.3371



16.5580, 0.3250, 0.3225



10.7023, 0.5843, 0.2992

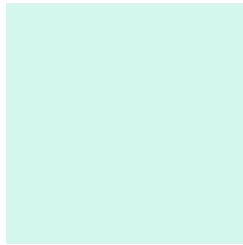


0.9573, 0.5489, 0.2798



# Previews

## White Background



This preview shows how the Yxy color 86.4848, 0.2960, 0.3395 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

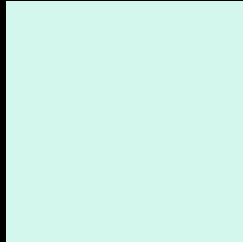
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.4848, 0.2960, 0.3395 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

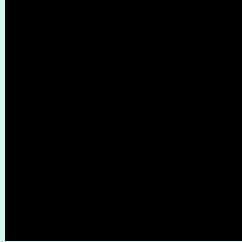
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

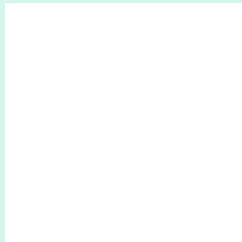
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.4848, 0.2960, 0.3395**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.4848, 0.2960, 0.3395.



This preview shows how white text looks on a background with the Yxy color 86.4848, 0.2960, 0.3395.

# 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

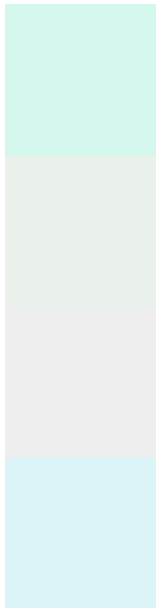




## Tritanopia

86.5716, 0.2938, 0.3157

# Trichromacy



**Original Color**

86.4848, 0.2960, 0.3395

**Protanomaly**

86.1747, 0.3117, 0.3362

**Deuteranomaly**

85.7318, 0.3128, 0.3280

**Tritanomaly**

86.5387, 0.2947, 0.3248

# Monochromacy



**Original Color**

86.4848, 0.2960, 0.3395

**Achromatopsia**

83.0770, 0.3127, 0.3290

**Achromatomaly**

83.9579, 0.3060, 0.3321

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.4848, 0.2960, 0.3395 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, 247, 237)` looks like.

```
.text, #text, p{  
    color:rgb(211, 247, 237)  
}
```

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, 247, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 247, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 86.4848, 0.2960, 0.3395 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, 247, 237) }
```

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

```
.border{ border-color:rgb(211, 247, 237) }
```

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

Here you see how a box with a 4 pixel rgb(211, 247, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 247, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 247, 237);  
box-shadow:4px 4px 4px 4px rgb(211, 247,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.4848, 0.2960, 0.3395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 247, 237) }
```

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

```
.background{ background-color: rgb(211,  
247, 237) }
```

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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