

# Converting Colors

$Yxy(86.8415, 0.2912, 0.3365)$

Have a look what the booklet for  
Yxy(86.8415, 0.2912, 0.3365)  
contains.

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# Color

**Yxy(86.7511, 0.2915, 0.3363)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFF8F1
RGB	207, 248, 241
RGB Percent	81%, 97%, 95%
CMY	0.1879, 0.0275, 0.0548
CMYK	0.16, 0.00, 0.03, 0.03
HSL	170°, 74%, 89%
HSV	170°, 16%, 97%
XYZ	75.1946, 86.7511, 96.0118
YIQ	234.9430, -22.1890, -10.8690

# Conversions

## Conversions Part 2

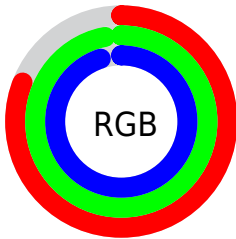
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 229, 248
Decimal	13629681
CIE <sub>Lab</sub>	94.63, -14.43, -1.04
CIE <sub>LCh</sub>	95, 14.465, 184.126
Yxy	86.7511, 0.2915, 0.3363
Android (android.graphics.Color)	4291819761 (0xFFCFF8F1)
YUV	234.9430, 2.9861, -24.5060
Hunter-Lab	93.1403, -18.8877, 4.0803

# Details

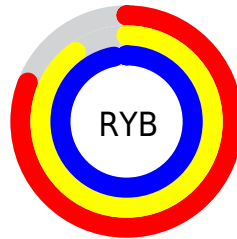
The Yxy color **86.7511, 0.2915, 0.3363** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.4759, 0.3390, 0.3219**, and the grayscale version is **83.0348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8775, 0.2867, 0.3385** is the 20% darker color. If you saturate the color by 10%, you get **83.2075, 0.2796, 0.3413**, and if you desaturate by 10%, it is **90.8688, 0.3042, 0.3317**.

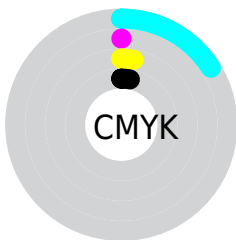
# Distribution



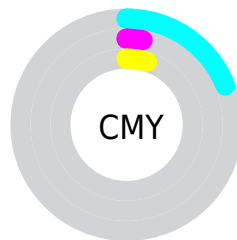
- Red (81%)
- Green (97%)
- Blue (95%)



- Red (81%)
- Yellow (90%)
- Blue (97%)



- Cyan (16%)
- Magenta (0%)
- Yellow (3%)
- Black (3%)




- Cyan (19%)
- Magenta (3%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.7511, 0.2915, 0.3363 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 86.7511, 0.2915, 0.3363 by changing the saturation by 10% instead.



 86.7511, 0.2915,  
0.3363

 86.7511, 0.2915,  
0.3363


517.4046, 0.3010,  
0.3331

 65.2892, 0.2894,  
0.3370


142.8172, 0.2947,  
0.3352

 47.6957, 0.2869,  
0.3379


178.1902, 0.2960,  
0.3348

 33.5859, 0.2837,  
0.3389


218.9690, 0.2971,  
0.3344

 22.5757, 0.2796,  
0.3403

265.5381, 0.2981,  
0.3341

 14.2805, 0.2742,  
0.3421

318.2818, 0.2989,  
0.3338

 8.3160, 0.2667,  
0.3445

377.5845, 0.2997,

 4.2978, 0.2557,

0.3335

0.3481

443.8307, 0.3004,  
0.3333

■ 1.8415, 0.2377,  
0.3538

■ 0.5129, 0.1057,  
0.4009

■ 86.7511, 0.2915,  
0.3363

■ 86.7511, 0.2915,  
0.3363

■ 83.2075, 0.2796,  
0.3413

■ 90.8688, 0.3042,  
0.3317

■ 80.2011, 0.2689,  
0.3466

■ 95.2546, 0.3163,  
0.3276

■ 77.7072, 0.2595,  
0.3523

■ 95.5219, 0.3138,  
0.3236

■ 75.6950, 0.2518,  
0.3582

■ 95.6059, 0.3130,  
0.3223

■ 74.1304, 0.2459,  
0.3643

■ 72.9747, 0.2421,  
0.3705

■ 72.1826, 0.2401,  
0.3767

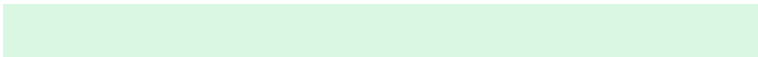
■ 71.6975, 0.2400,  
0.3828

■ 71.5692, 0.2403,  
0.3849

# Harmonies

## Analogous

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



86.7511, 0.3060, 0.3498



86.7511, 0.2915, 0.3363



86.7511, 0.2828, 0.3211

# Triad

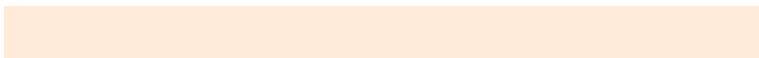
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.7511, 0.2915, 0.3363



86.7511, 0.3023, 0.3024



86.7511, 0.3446, 0.3485

# Complementary

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



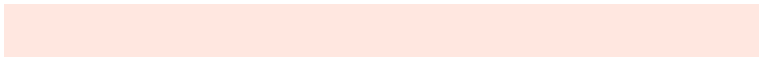
86.7511, 0.2915, 0.3363



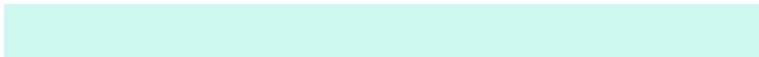
69.4759, 0.3390, 0.3219

# 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.



86.7511, 0.3436, 0.3356



86.7511, 0.2915, 0.3363



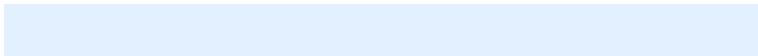
86.7511, 0.3189, 0.3095

# Square

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



86.7511, 0.2915, 0.3363



86.7511, 0.2889, 0.3020



86.7511, 0.3342, 0.3215

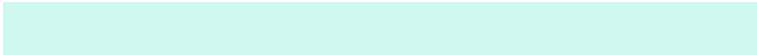


86.7511, 0.3367, 0.3566

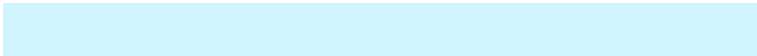


# Rectangle

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



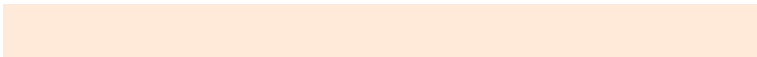
86.7511, 0.2915, 0.3363



86.7511, 0.2812, 0.3122



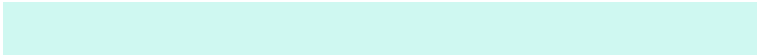
86.7511, 0.3342, 0.3215



86.7511, 0.3453, 0.3446

# Sweetspot

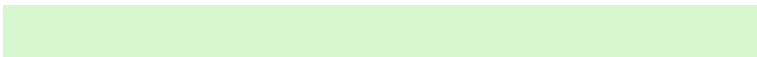
The Sweet Spot groups the original color and five complimentary colors.



86.7547, 0.2915, 0.3363



97.5224, 0.3061, 0.3311



86.0183, 0.3154, 0.3730



20.8020, 0.3052, 0.3314



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

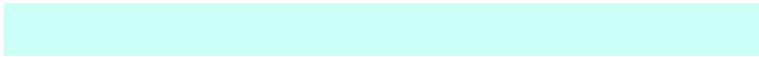


# Same Dimension

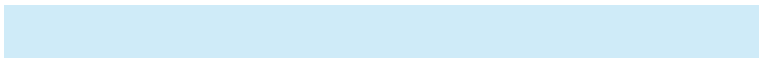
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7547, 0.2915, 0.3363



91.0303, 0.2872, 0.3380



79.4885, 0.2871, 0.3152



19.5548, 0.3003, 0.3331



38.6852, 0.2400, 0.3840



3.5959, 0.2380, 0.3766



# Inverse Universe

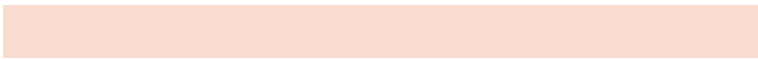
The Inverse Universe completely reimagines the original color for something new.



69.4759, 0.3390, 0.3219



69.2341, 0.3460, 0.3202



75.6667, 0.3421, 0.3425



17.2735, 0.3267, 0.3250



10.8856, 0.6151, 0.3162



1.0213, 0.5853, 0.2998



# Previews

## White Background



This preview shows how the Yxy color 86.7511, 0.2915, 0.3363 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

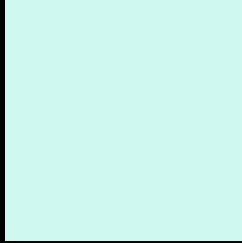
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.7511, 0.2915, 0.3363 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

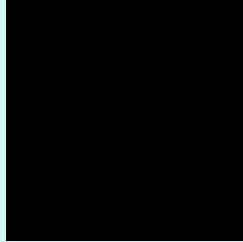
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

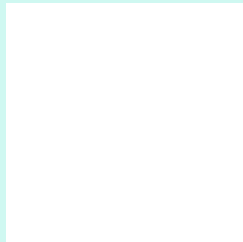
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.7511, 0.2915, 0.3363**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.7511, 0.2915, 0.3363.

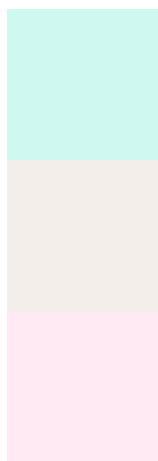


This preview shows how white text looks on a background with the Yxy color 86.7511, 0.2915, 0.3363.

# 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

86.7511, 0.2915, 0.3363

### Protanopia

86.3803, 0.3186, 0.3320

### Deuteranopia

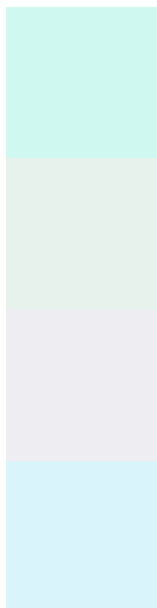
86.0089, 0.3213, 0.3193



## Tritanopia

86.2539, 0.2925, 0.3157

# Trichromacy



## Original Color

86.7511, 0.2915, 0.3363

## Protanomaly

86.6076, 0.3086, 0.3341

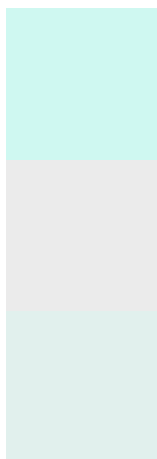
## Deuteranomaly

85.7370, 0.3103, 0.3250

## Tritanomaly

86.3552, 0.2923, 0.3227

# Monochromacy



## Original Color

86.7511, 0.2915, 0.3363

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

84.4422, 0.3048, 0.3321

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.7511, 0.2915, 0.3363 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(207, 248, 241)` looks like.

```
.text, #text, p{  
    color:rgb(207, 248, 241)  
}
```

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(207, 248, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 248, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 86.7511, 0.2915, 0.3363 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(207, 248, 241) }
```

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

```
.border{ border-color:rgb(207, 248, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 248, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 248, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 248, 241);  
box-shadow:4px 4px 4px 4px rgb(207, 248,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.7511, 0.2915, 0.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 248, 241) }
```

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

```
.background{ background-color: rgb(207,  
248, 241) }
```

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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