

# Converting Colors

$Yxy(85.6066, 0.2904, 0.3385)$

Have a look what the booklet for  
Yxy(85.6066, 0.2904, 0.3385)  
contains.

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# Color

**Yxy(85.3911, 0.2907, 0.3386)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBF7EE
RGB	203, 247, 238
RGB Percent	80%, 97%, 93%
CMY	0.2041, 0.0313, 0.0668
CMYK	0.18, 0.00, 0.04, 0.03
HSL	168°, 73%, 88%
HSV	168°, 18%, 97%
XYZ	73.3113, 85.3911, 93.4864
YIQ	232.8180, -23.3350, -12.1270

# Conversions

## Conversions Part 2

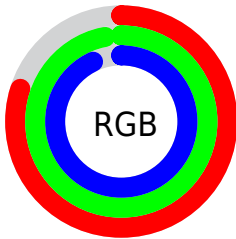
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 228, 247
Decimal	13367278
CIE Lab	94.05, -15.82, -0.35
CIE LCh	94, 15.819, 181.254
Yxy	85.3911, 0.2907, 0.3386
Android (android.graphics.Color)	4291557358 (0xFFC <sub>B</sub> F7EE)
YUV	232.8180, 2.5547, -26.1504
Hunter-Lab	92.4073, -20.1000, 4.7028

# Details

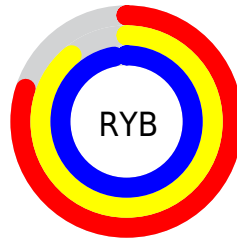
The Yxy color **85.3911, 0.2907, 0.3386** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.2262, 0.3404, 0.3196**, and the grayscale version is **81.3314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9349, 0.2858, 0.3414** is the 20% darker color. If you saturate the color by 10%, you get **81.9054, 0.2794, 0.3447**, and if you desaturate by 10%, it is **89.4448, 0.3028, 0.3330**.

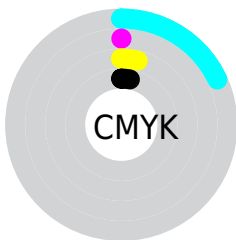
# Distribution



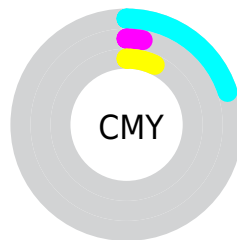
- Red (80%)
- Green (97%)
- Blue (93%)



- Red (80%)
- Yellow (89%)
- Blue (97%)



- Cyan (18%)
- Magenta (0%)
- Yellow (4%)
- Black (3%)




- Cyan (20%)
- Magenta (3%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.3911, 0.2907, 0.3386 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 85.3911, 0.2907, 0.3386 by changing the saturation by 10% instead.




 85.3911, 0.2907,  
0.3386

 85.3911, 0.2907,  
0.3386


512.9213, 0.3006,  
0.3343

 64.1646, 0.2885,  
0.3395


140.9195, 0.2941,  
0.3371

 46.7840, 0.2858,  
0.3407

175.9901, 0.2954,  
0.3366

 32.8649, 0.2825,  
0.3421


216.4443, 0.2966,  
0.3361

 22.0230, 0.2782,  
0.3440

262.6663, 0.2976,  
0.3356

 13.8738, 0.2725,  
0.3464

315.0406, 0.2984,  
0.3352

 8.0329, 0.2646,  
0.3498

373.9517, 0.2992,

 4.1160, 0.2528,

0.3349

0.3549

439.7837, 0.2999,  
0.3346

1.7387, 0.2335,  
0.3631

0.4485, 0.0402,  
0.4479

85.3911, 0.2907,  
0.3386

85.3911, 0.2907,  
0.3386

81.9054, 0.2794,  
0.3447

89.4448, 0.3028,  
0.3330

78.9508, 0.2691,  
0.3513

94.0802, 0.3155,  
0.3279

76.5027, 0.2603,  
0.3582

94.8951, 0.3142,  
0.3231

74.5300, 0.2531,  
0.3655

95.0115, 0.3131,  
0.3214

■ 72.9985, 0.2478,  
0.3730

■ 71.8690, 0.2444,  
0.3806

■ 71.0956, 0.2431,  
0.3881

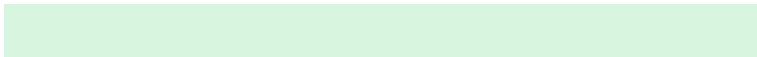
■ 70.6163, 0.2435,  
0.3956

■ 70.5315, 0.2437,  
0.3973

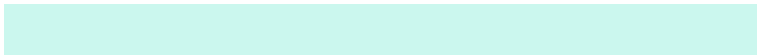
# Harmonies

## Analogous

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



85.3911, 0.3070, 0.3530



85.3911, 0.2907, 0.3386



85.3911, 0.2804, 0.3218

# Triad

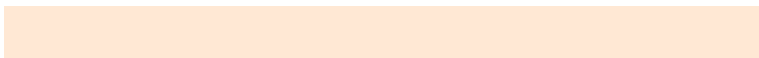
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.3911, 0.2907, 0.3386



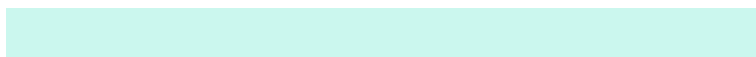
85.3911, 0.2997, 0.2995



85.3911, 0.3481, 0.3492

# Complementary

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



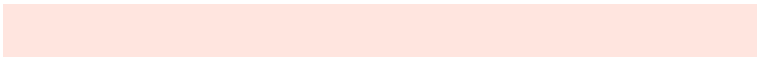
85.3911, 0.2907, 0.3386



67.2262, 0.3404, 0.3196

# 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.



85.3911, 0.3461, 0.3347



85.3911, 0.2907, 0.3386



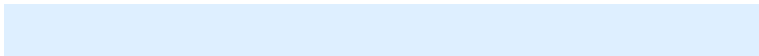
85.3911, 0.3177, 0.3066

# Square

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



85.3911, 0.2907, 0.3386



85.3911, 0.2855, 0.2997



85.3911, 0.3349, 0.3193



85.3911, 0.3403, 0.3588

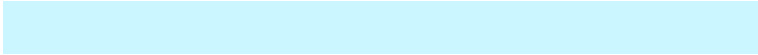


# Rectangle

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



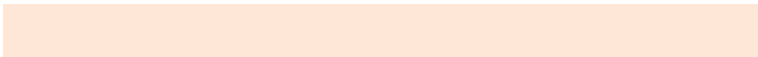
85.3911, 0.2907, 0.3386



85.3911, 0.2782, 0.3118



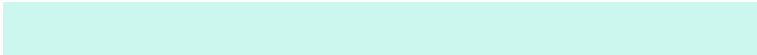
85.3911, 0.3349, 0.3193



85.3911, 0.3486, 0.3447

# Sweetspot

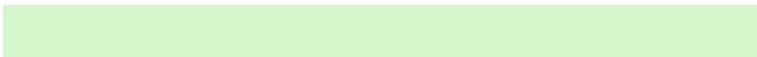
The Sweet Spot groups the original color and five complimentary colors.



85.3946, 0.2907, 0.3386



97.4941, 0.3064, 0.3315



84.9145, 0.3166, 0.3768



20.7951, 0.3055, 0.3319



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

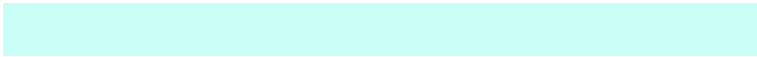


# Same Dimension

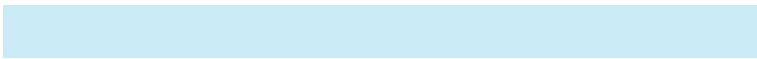
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3946, 0.2907, 0.3386



90.5322, 0.2870, 0.3405



78.5588, 0.2851, 0.3155



18.6961, 0.3008, 0.3339



37.3174, 0.2433, 0.3960



3.2942, 0.2407, 0.3866



# Inverse Universe

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



67.2262, 0.3404, 0.3196



68.0192, 0.3466, 0.3179



72.9156, 0.3451, 0.3421



16.5381, 0.3261, 0.3242



10.5992, 0.6062, 0.3113

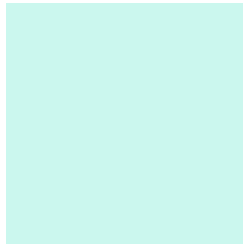


0.9458, 0.5727, 0.2929



# Previews

## White Background



This preview shows how the Yxy color 85.3911, 0.2907, 0.3386 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

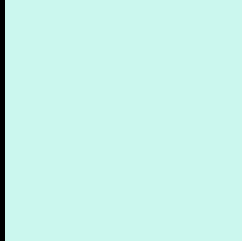
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.3911, 0.2907, 0.3386 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

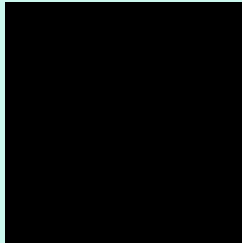
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

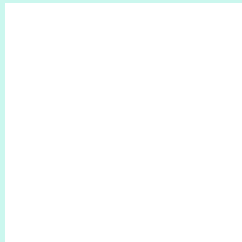
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.3911, 0.2907, 0.3386**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.3911, 0.2907, 0.3386.

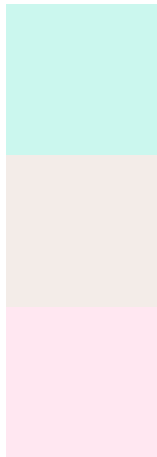


This preview shows how white text looks on a background with the Yxy color 85.3911, 0.2907, 0.3386.

# 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

85.3911, 0.2907, 0.3386

### Protanopia

84.8718, 0.3199, 0.3331

### Deuteranopia

84.7627, 0.3227, 0.3192



## Tritanopia

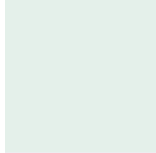
85.0360, 0.2901, 0.3145

# Trichromacy



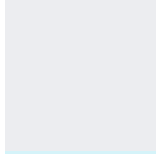
## Original Color

85.3911, 0.2907, 0.3386



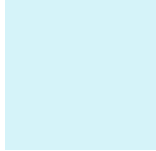
## Protanomaly

84.7547, 0.3085, 0.3352



## Deuteranomaly

84.6925, 0.3102, 0.3259



## Tritanomaly

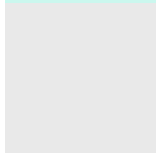
85.0869, 0.2905, 0.3227

# Monochromacy



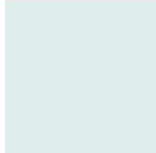
## Original Color

85.3911, 0.2907, 0.3386



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

82.6768, 0.3041, 0.3321

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.3911, 0.2907, 0.3386 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(203, 247, 238)` looks like.

```
.text, #text, p{  
    color:rgb(203, 247, 238)  
}
```

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(203, 247, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 247, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 85.3911, 0.2907, 0.3386 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(203, 247, 238) }
```

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

```
.border{ border-color:rgb(203, 247, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 247, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 247, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 247, 238);  
box-shadow:4px 4px 4px 4px rgb(203, 247,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.3911, 0.2907, 0.3386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 247, 238) }
```

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

```
.background{ background-color: rgb(203,  
247, 238) }
```

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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