

# Converting Colors

$Yxy(85.0810, 0.2923, 0.3443)$

Have a look what the booklet for  
Yxy(85.0810, 0.2923, 0.3443)  
contains.

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# Color

**Yxy(84.8222, 0.2923, 0.3440)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9F7E9
RGB	201, 247, 233
RGB Percent	79%, 97%, 91%
CMY	0.2114, 0.0314, 0.0862
CMYK	0.19, 0.00, 0.06, 0.03
HSL	162°, 74%, 88%
HSV	162°, 19%, 97%
XYZ	72.0742, 84.8222, 89.6798
YIQ	231.6500, -22.9220, -14.1060

# Conversions

## Conversions Part 2

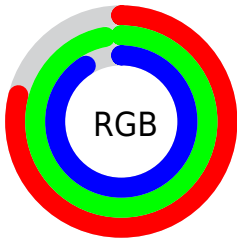
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	201, 228, 247
Decimal	13236201
CIE Lab	93.81, -17.35, 1.85
CIE LCh	94, 17.452, 173.924
Yxy	84.8222, 0.2923, 0.3440
Android (android.graphics.Color)	4291426281 (0xFFC9F7E9)
YUV	231.6500, 0.6655, -26.8801
Hunter-Lab	92.0990, -21.4838, 6.7367

# Details

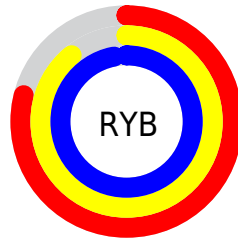
The Yxy color **84.8222, 0.2923, 0.3440** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.4911, 0.3384, 0.3145**, and the grayscale version is **80.4420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.5469, 0.2877, 0.3486** is the 20% darker color. If you saturate the color by 10%, you get **81.2514, 0.2822, 0.3532**, and if you desaturate by 10%, it is **88.9688, 0.3031, 0.3356**.

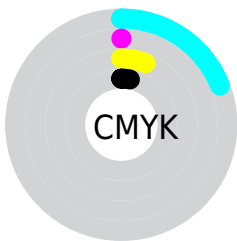
# Distribution



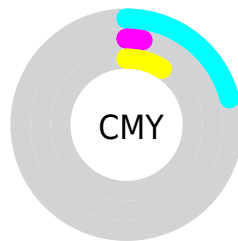
- Red (79%)
- Green (97%)
- Blue (91%)



- Red (79%)
- Yellow (89%)
- Blue (97%)



- Cyan (19%)
- Magenta (0%)
- Yellow (6%)
- Black (3%)




- Cyan (21%)
- Magenta (3%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8222, 0.2923, 0.3440 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 84.8222, 0.2923, 0.3440 by changing the saturation by 10% instead.




 84.8222, 0.2923,  
0.3440

 84.8222, 0.2923,  
0.3440

511.0396, 0.3015,  
0.3372

 63.6945, 0.2902,  
0.3455

140.1247, 0.2955,  
0.3417

 46.4033, 0.2877,  
0.3474

175.0683, 0.2967,  
0.3408

 32.5642, 0.2846,  
0.3497


215.3860, 0.2978,  
0.3400

 21.7928, 0.2806,  
0.3528

261.4622, 0.2987,  
0.3393

 13.7047, 0.2752,  
0.3568

313.6812, 0.2995,  
0.3387

 7.9156, 0.2676,  
0.3626

372.4275, 0.3003,

 4.0410, 0.2563,

0.3381

0.3713

438.0855, 0.3009,  
0.3376

1.6965, 0.2374,  
0.3860

0.4214, 0.0000,  
0.5611

84.8222, 0.2923,  
0.3440

84.8222, 0.2923,  
0.3440

81.2514, 0.2822,  
0.3532

88.9688, 0.3031,  
0.3356


78.2193, 0.2731,  
0.3632


93.7052, 0.3143,  
0.3280


75.7007, 0.2652,  
0.3739

94.9925, 0.3131,  
0.3214


73.6645, 0.2590,  
0.3851

 72.0758, 0.2546,  
0.3966

 70.8949, 0.2522,  
0.4084

 70.0751, 0.2519,  
0.4201

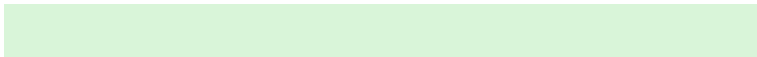
 69.5491, 0.2534,  
0.4316

 69.4856, 0.2537,  
0.4332

# Harmonies

## Analogous

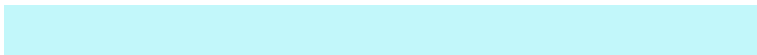
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8222, 0.3112, 0.3586



84.8222, 0.2923, 0.3440



84.8222, 0.2791, 0.3254

# Triad

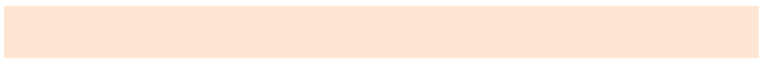
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8222, 0.2923, 0.3440



84.8222, 0.2939, 0.2957



84.8222, 0.3524, 0.3476

# Complementary

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



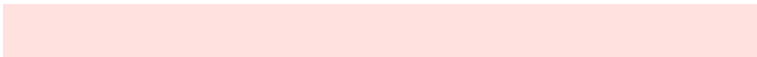
84.8222, 0.2923, 0.3440



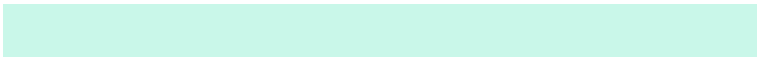
66.4911, 0.3384, 0.3145

# 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.



84.8222, 0.3475, 0.3310



84.8222, 0.2923, 0.3440



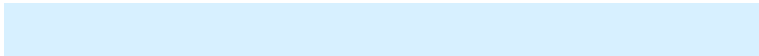
84.8222, 0.3132, 0.3018

# Square

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



84.8222, 0.2923, 0.3440



84.8222, 0.2799, 0.2980



84.8222, 0.3330, 0.3145

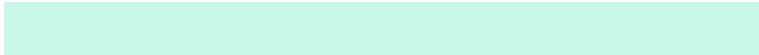


84.8222, 0.3462, 0.3600

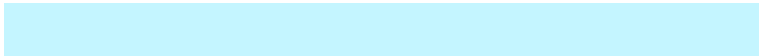


# Rectangle

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



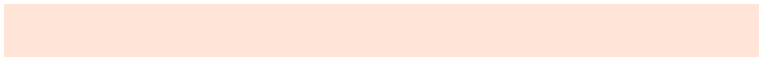
84.8222, 0.2923, 0.3440



84.8222, 0.2750, 0.3137



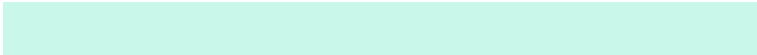
84.8222, 0.3330, 0.3145



84.8222, 0.3520, 0.3423

# Sweetspot

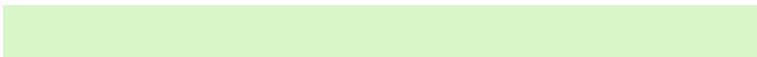
The Sweet Spot groups the original color and five complimentary colors.



84.8257, 0.2923, 0.3440



96.9167, 0.3060, 0.3335



85.2741, 0.3197, 0.3786



20.6753, 0.3052, 0.3341



0.0000, 0.0000, 0.0000

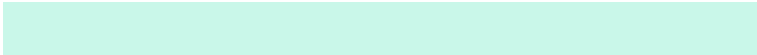


21.4041, 0.3127, 0.3290

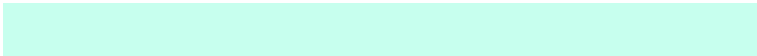


# Same Dimension

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



84.8257, 0.2923, 0.3440



89.8177, 0.2887, 0.3471



80.6245, 0.2842, 0.3199



18.6669, 0.3021, 0.3363



36.7801, 0.2531, 0.4313



3.2508, 0.2491, 0.4168



# Inverse Universe

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



66.4911, 0.3384, 0.3145



67.0169, 0.3443, 0.3117



69.8374, 0.3476, 0.3379



16.5655, 0.3246, 0.3218



10.7496, 0.5749, 0.2941



0.9623, 0.5395, 0.2746



# Previews

## White Background



This preview shows how the Yxy color 84.8222, 0.2923, 0.3440 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

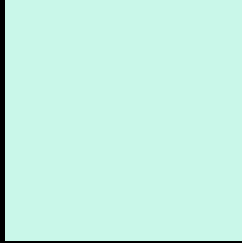
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.8222, 0.2923, 0.3440 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

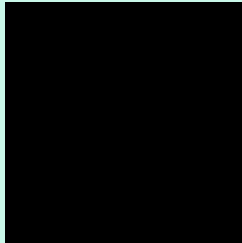
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

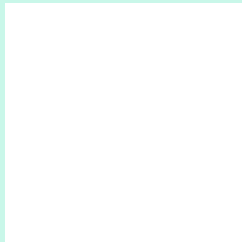
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.8222, 0.2923, 0.3440**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.8222, 0.2923, 0.3440.

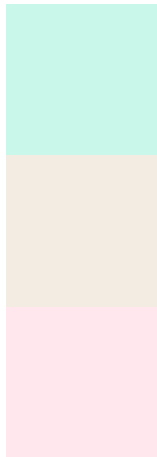


This preview shows how white text looks on a background with the Yxy color 84.8222, 0.2923, 0.3440.

# 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

84.8222, 0.2923, 0.3440

### Protanopia

84.5916, 0.3231, 0.3382

### Deuteranopia

84.5263, 0.3253, 0.3231



## Tritanopia

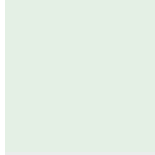
84.7295, 0.2889, 0.3145

# Trichromacy



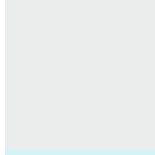
## Original Color

84.8222, 0.2923, 0.3440



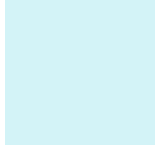
## Protanomaly

84.4713, 0.3115, 0.3404



## Deuteranomaly

84.2867, 0.3120, 0.3300



## Tritanomaly

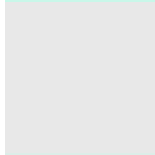
84.6655, 0.2904, 0.3247

# Monochromacy



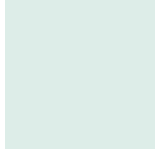
## Original Color

84.8222, 0.2923, 0.3440



## Achromatopsia

80.6952, 0.3127, 0.3290



## Achromatomaly

81.7667, 0.3052, 0.3343

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.8222, 0.2923, 0.3440 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(201, 247, 233)` looks like.

```
.text, #text, p{  
    color:rgb(201, 247, 233)  
}
```

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(201, 247, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 247, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 84.8222, 0.2923, 0.3440 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(201, 247, 233) }
```

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

```
.border{ border-color:rgb(201, 247, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 247, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 247, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 247, 233);  
box-shadow:4px 4px 4px 4px rgb(201, 247,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.8222, 0.2923, 0.3440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 247, 233) }
```

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

```
.background{ background-color: rgb(201,  
247, 233) }
```

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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