

# Converting Colors

$Yxy(87.0122, 0.2951, 0.3672)$

Have a look what the booklet for  
Yxy(87.0122, 0.2951, 0.3672)  
contains.

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# Color

**Yxy(87.2046, 0.2948, 0.3674)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0FEDB
RGB	192, 254, 219
RGB Percent	75%, 100%, 86%
CMY	0.2470, 0.0039, 0.1411
CMYK	0.24, 0.00, 0.14, 0.00
HSL	146°, 97%, 87%
HSV	146°, 24%, 100%
XYZ	69.9726, 87.2046, 80.1789
YIQ	231.4720, -25.7170, -24.0290

# Conversions

## Conversions Part 2

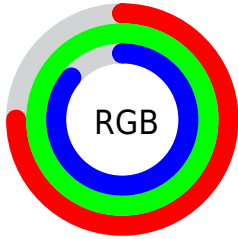
<b>Format</b>	<b>Color</b>
<b>RYB</b>	192, 235, 254
Decimal	12648155
CIELab	94.83, -26.22, 10.47
CIELCh	95, 28.234, 158.227
Yxy	87.2046, 0.2948, 0.3674
Android (android.graphics.Color)	4290838235 (0xFFC0FEDB)
YUV	231.4720, -6.1487, -34.6169
Hunter-Lab	93.3834, -29.6702, 14.4621

# Details

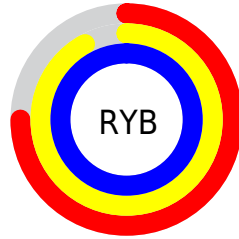
The Yxy color **87.2046, 0.2948, 0.3674** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.3253, 0.3358, 0.2936**, and the grayscale version is **80.3485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **47.9312, 0.2904, 0.3764** is the 20% darker color. If you saturate the color by 10%, you get **83.4504, 0.2882, 0.3861**, and if you desaturate by 10%, it is **91.6032, 0.3020, 0.3504**.

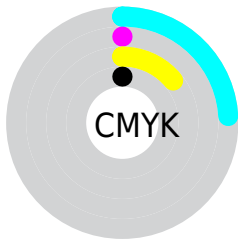
# Distribution



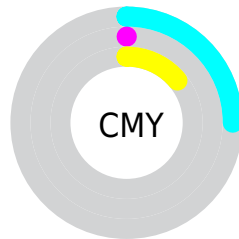
- Red (75%)
- Green (100%)
- Blue (86%)



- Red (75%)
- Yellow (92%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.2046, 0.2948, 0.3674 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 87.2046, 0.2948, 0.3674 by changing the saturation by 10% instead.



 87.2046, 0.2948,  
0.3674

 87.2046, 0.2948,  
0.3674

518.8949, 0.3031,  
0.3497

 65.6645, 0.2929,  
0.3714


 143.4493, 0.2977,  
0.3613

 48.0001, 0.2906,  
0.3764


178.9227, 0.2988,  
0.3589

 33.8270, 0.2877,  
0.3827


219.8093, 0.2997,  
0.3568

 22.7607, 0.2838,  
0.3909

266.4936, 0.3006,  
0.3550

 14.4169, 0.2786,  
0.4021

319.3599, 0.3013,  
0.3534

 8.4112, 0.2711,  
0.4181

378.7926, 0.3020,

 4.3592, 0.2595,

0.3521

0.4430

445.1762, 0.3026,  
0.3508

■ 1.8764, 0.2392,  
0.4866

■ 0.5342, 0.0000,  
1.0000

■ 87.2046, 0.2948,  
0.3674

■ 87.2046, 0.2948,  
0.3674

■ 83.4504, 0.2882,  
0.3861

■ 91.6032, 0.3020,  
0.3504

■ 80.2988, 0.2824,  
0.4064

■ 96.6642, 0.3094,  
0.3352

■ 77.7196, 0.2778,  
0.4279

■ 99.3630, 0.3128,  
0.3281

■ 75.6758, 0.2748,  
0.4502

■ 74.1256, 0.2736,  
0.4726

■ 73.0209, 0.2744,  
0.4943

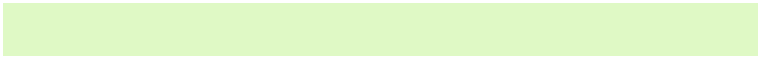
■ 72.3028, 0.2771,  
0.5146

■ 72.0235, 0.2792,  
0.5252

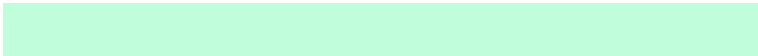
# Harmonies

## Analogous

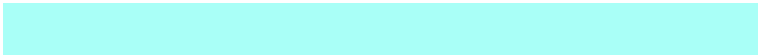
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2046, 0.3267, 0.3843



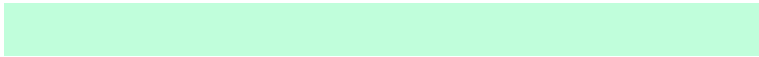
87.2046, 0.2948, 0.3674



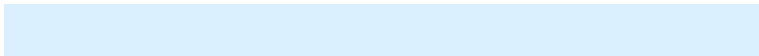
87.2046, 0.2687, 0.3387

# Triad

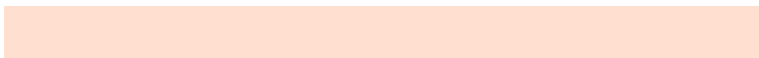
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2046, 0.2948, 0.3674



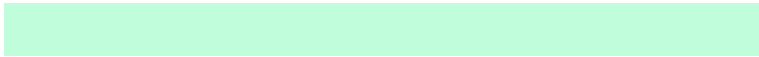
87.2046, 0.2697, 0.2767



87.2046, 0.3748, 0.3441

# Complementary

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



87.2046, 0.2948, 0.3674



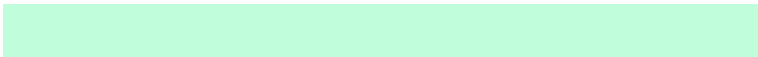
64.3253, 0.3358, 0.2936

# 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.



87.2046, 0.3580, 0.3176



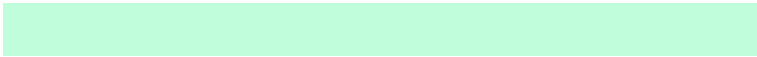
87.2046, 0.2948, 0.3674



87.2046, 0.2963, 0.2799

# Square

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



87.2046, 0.2948, 0.3674



87.2046, 0.2548, 0.2865



87.2046, 0.3288, 0.2947

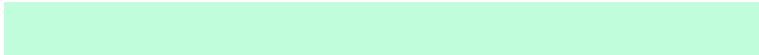


87.2046, 0.3738, 0.3685



# Rectangle

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



87.2046, 0.2948, 0.3674



87.2046, 0.2576, 0.3182



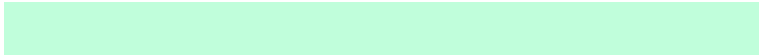
87.2046, 0.3288, 0.2947



87.2046, 0.3711, 0.3352

# Sweetspot

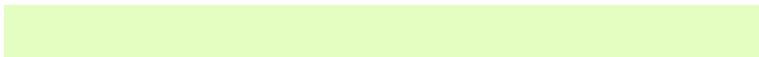
The Sweet Spot groups the original color and five complimentary colors.



87.2082, 0.2948, 0.3674



96.1385, 0.3075, 0.3390



91.0438, 0.3318, 0.3939



20.5098, 0.3070, 0.3399



0.0000, 0.0000, 0.0000

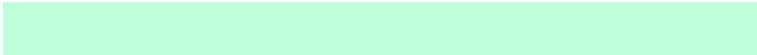


21.4041, 0.3127, 0.3290

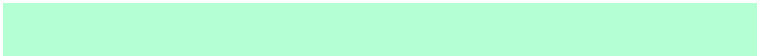


# Same Dimension

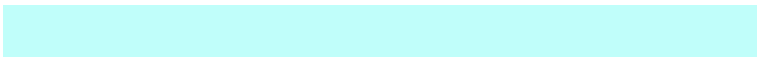
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2082, 0.2948, 0.3674



86.1677, 0.2917, 0.3758



88.9862, 0.2787, 0.3333



20.2996, 0.3056, 0.3427



38.0004, 0.2784, 0.5221



3.7214, 0.2722, 0.4999



# Inverse Universe

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



64.3253, 0.3358, 0.2936



59.6439, 0.3414, 0.2866



62.7721, 0.3607, 0.3248



18.1588, 0.3205, 0.3157



12.1898, 0.4693, 0.2359

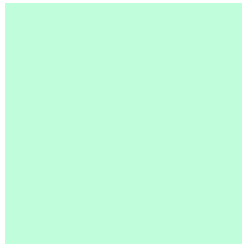


1.2088, 0.4476, 0.2239



# Previews

## White Background



This preview shows how the Yxy color 87.2046, 0.2948, 0.3674 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

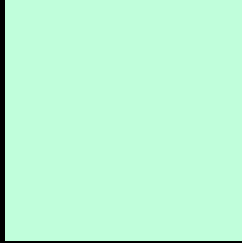
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.2046, 0.2948, 0.3674 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

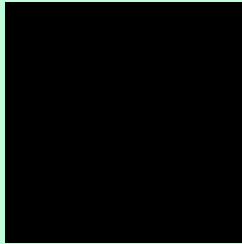
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

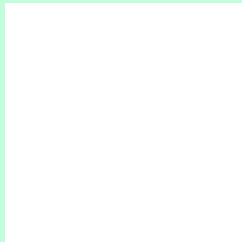
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.2046, 0.2948, 0.3674**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.2046, 0.2948, 0.3674.

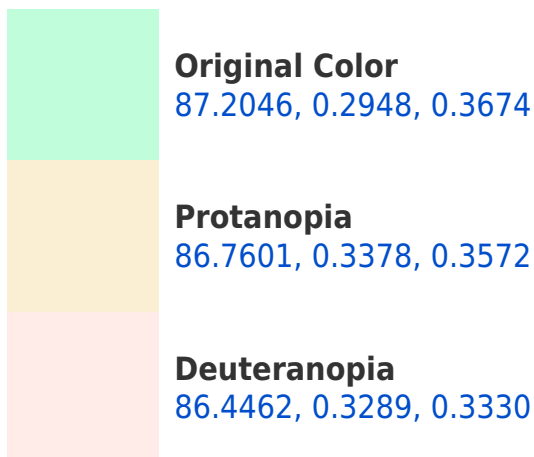


This preview shows how white text looks on a background with the Yxy color 87.2046, 0.2948, 0.3674.

# 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

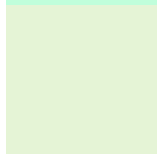
86.9814, 0.2908, 0.3177

# Trichromacy



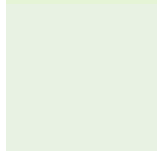
## Original Color

87.2046, 0.2948, 0.3674



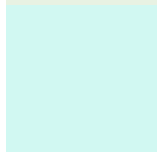
## Protanomaly

86.2144, 0.3210, 0.3604



## Deuteranomaly

86.2061, 0.3153, 0.3445



## Tritanomaly

87.1009, 0.2921, 0.3353

# Monochromacy



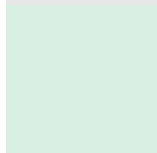
## Original Color

87.2046, 0.2948, 0.3674



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

82.0308, 0.3056, 0.3418

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.2046, 0.2948, 0.3674 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(192, 254, 219)` looks like.

```
.text, #text, p{  
    color:rgb(192, 254, 219)  
}
```

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(192, 254, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 254, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 87.2046, 0.2948, 0.3674 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(192, 254, 219) }
```

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

```
.border{ border-color:rgb(192, 254, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 254, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 254, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 254, 219);  
box-shadow:4px 4px 4px 4px rgb(192, 254,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.2046, 0.2948, 0.3674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 254, 219) }
```

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

```
.background{ background-color: rgb(192,  
254, 219) }
```

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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