

# Converting Colors

Yxy(88.5272, 0.3046, 0.3717)

Have a look what the booklet for  
Yxy(88.5272, 0.3046, 0.3717)  
contains.

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# Color

**Yxy(88.5760, 0.3046, 0.3722)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCFED6
RGB	204, 254, 214
RGB Percent	80%, 100%, 84%
CMY	0.1999, 0.0039, 0.1607
CMYK	0.20, 0.00, 0.16, 0.00
HSL	132°, 96%, 90%
HSV	132°, 20%, 100%
XYZ	72.4886, 88.5760, 76.9150
YIQ	234.4900, -16.9600, -23.0400

# Conversions

## Conversions Part 2

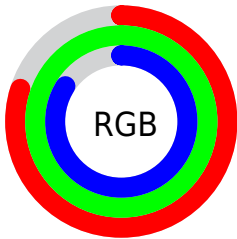
Format	Color
<a href="#">RYB</a>	<a href="#">204, 246, 254</a>
Decimal	<a href="#">13434582</a>
CIELab	<a href="#">95.40, -23.36, 13.95</a>
CIELCh	<a href="#">95, 27.213, 149.152</a>
Yxy	<a href="#">88.5760, 0.3046, 0.3722</a>
Android (android.graphics.Color)	<a href="#">4291624662 (0xFFCCFED6)</a>
YUV	<a href="#">234.4900, -10.1016, -26.7397</a>
Hunter-Lab	<a href="#">94.1148, -27.2177, 17.4258</a>

# Details

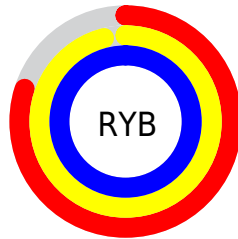
The Yxy color **88.5760, 0.3046, 0.3722** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.7978, 0.3220, 0.2893**, and the grayscale version is **82.7645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.8253, 0.3026, 0.3825** is the 20% darker color. If you saturate the color by 10%, you get **84.3038, 0.3006, 0.3981**, and if you desaturate by 10%, it is **93.5704, 0.3087, 0.3489**.

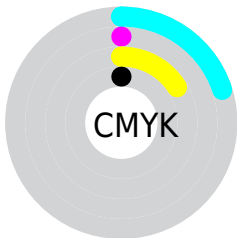
# Distribution



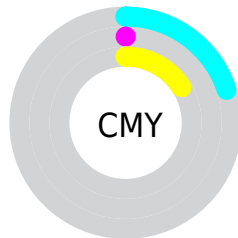
- Red (80%)
- Green (100%)
- Blue (84%)



- Red (80%)
- Yellow (96%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.5760, 0.3046, 0.3722 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 88.5760, 0.3046, 0.3722 by changing the saturation by 10% instead.



 88.5760, 0.3046,  
0.3722

 88.5760, 0.3046,  
0.3722


523.3877, 0.3085,  
0.3523

 66.8002, 0.3037,  
0.3767


145.3588, 0.3060,  
0.3653

 48.9223, 0.3025,  
0.3823


181.1346, 0.3065,  
0.3626

 34.5578, 0.3010,  
0.3894


222.3458, 0.3070,  
0.3603

 23.3225, 0.2989,  
0.3986

269.3769, 0.3074,  
0.3583

 14.8318, 0.2961,  
0.4110

322.6123, 0.3077,  
0.3565

 8.7014, 0.2918,  
0.4289

382.4362, 0.3080,

 4.5469, 0.2848,

0.3550

0.4564

449.2332, 0.3083,  
0.3535

■ 1.9840, 0.2716,  
0.5044

■ 0.5981, 0.0000,  
1.0000

■ 88.5760, 0.3046,  
0.3722

■ 88.5760, 0.3046,  
0.3722

■ 84.3038, 0.3006,  
0.3981

■ 93.5704, 0.3087,  
0.3489

■ 80.7095, 0.2969,  
0.4264

99.3067, 0.3128,  
0.3284

■ 77.7610, 0.2939,  
0.4564

99.3625, 0.3128,  
0.3281

■ 75.4195, 0.2917,  
0.4869

■ 73.6416, 0.2907,  
0.5164

■ 72.3781, 0.2910,  
0.5432

■ 71.5709, 0.2926,  
0.5654

■ 71.1316, 0.2951,  
0.5820

■ 71.1204, 0.2951,  
0.5825

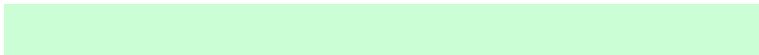
# Harmonies

## Analogous

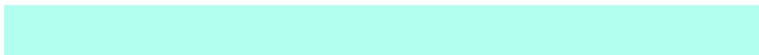
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5760, 0.3353, 0.3837



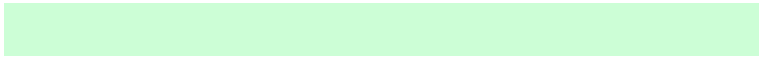
88.5760, 0.3046, 0.3722



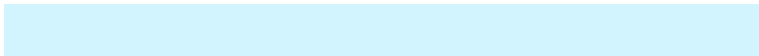
88.5760, 0.2771, 0.3472

# Triad

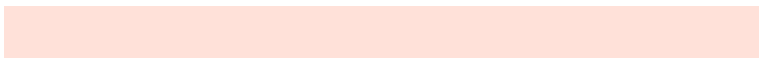
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.5760, 0.3046, 0.3722



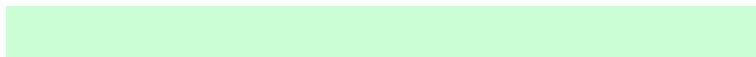
88.5760, 0.2657, 0.2802



88.5760, 0.3690, 0.3359

# Complementary

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



88.5760, 0.3046, 0.3722



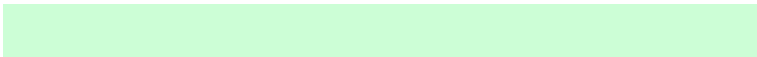
70.7978, 0.3220, 0.2893

# 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.



88.5760, 0.3486, 0.3108



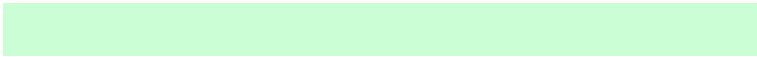
88.5760, 0.3046, 0.3722



88.5760, 0.2884, 0.2796

# Square

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



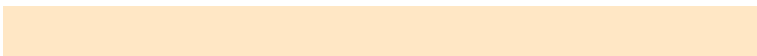
88.5760, 0.3046, 0.3722



88.5760, 0.2554, 0.2936



88.5760, 0.3186, 0.2907

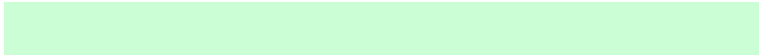


88.5760, 0.3734, 0.3605



# Rectangle

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



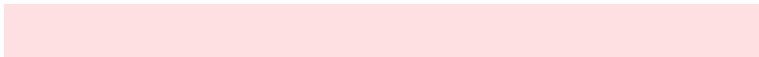
88.5760, 0.3046, 0.3722



88.5760, 0.2639, 0.3275



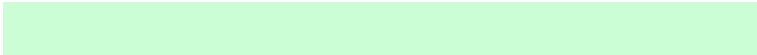
88.5760, 0.3186, 0.2907



88.5760, 0.3638, 0.3273

# Sweetspot

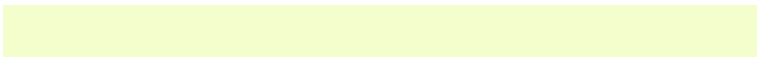
The Sweet Spot groups the original color and five complimentary colors.



88.5797, 0.3046, 0.3722



96.4496, 0.3103, 0.3411



94.4769, 0.3358, 0.3793



20.5650, 0.3100, 0.3424



0.0000, 0.0000, 0.0000

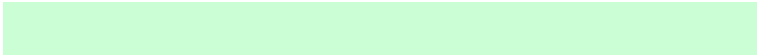


21.4041, 0.3127, 0.3290

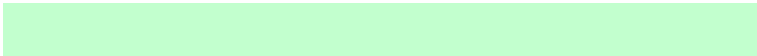


# Same Dimension

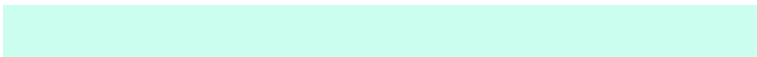
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.5797, 0.3046, 0.3722



87.4219, 0.3028, 0.3831



89.9554, 0.2910, 0.3448



20.2276, 0.3088, 0.3486



37.5127, 0.2945, 0.5802



3.6671, 0.2891, 0.5608



# Inverse Universe

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



70.7978, 0.3220, 0.2893



66.2101, 0.3245, 0.2804



69.3822, 0.3404, 0.3138



18.2343, 0.3169, 0.3102



13.4068, 0.3793, 0.1863

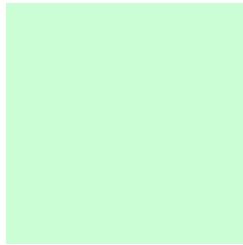


1.3205, 0.3713, 0.1819



# Previews

## White Background



This preview shows how the Yxy color 88.5760, 0.3046, 0.3722 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 88.5760, 0.3046, 0.3722 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

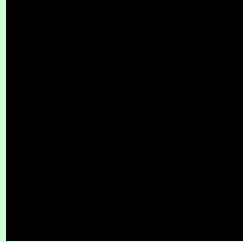
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

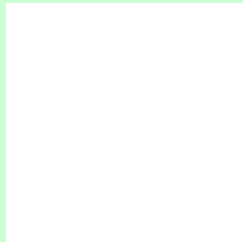
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.5760, 0.3046, 0.3722**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.5760, 0.3046, 0.3722.

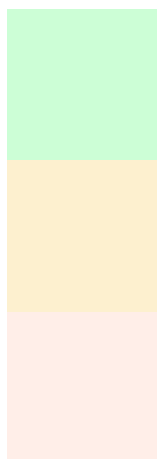


This preview shows how white text looks on a background with the Yxy color 88.5760, 0.3046, 0.3722.

# 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

88.5760, 0.3046, 0.3722

### Protanopia

87.7078, 0.3424, 0.3621

### Deuteranopia

88.2353, 0.3279, 0.3349



## Tritanopia

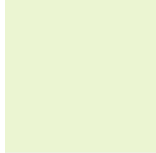
88.2523, 0.2956, 0.3179

# Trichromacy



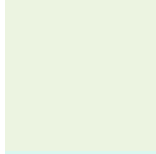
## Original Color

88.5760, 0.3046, 0.3722



## Protanomaly

87.6201, 0.3274, 0.3652



## Deuteranomaly

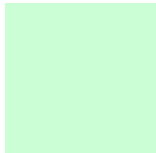
87.9705, 0.3190, 0.3484



## Tritanomaly

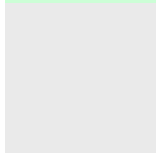
88.4861, 0.2992, 0.3373

# Monochromacy



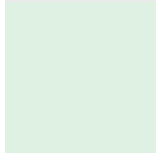
## Original Color

88.5760, 0.3046, 0.3722



## Achromatopsia

82.2786, 0.3127, 0.3290



## Achromatomaly

84.1446, 0.3094, 0.3437

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.5760, 0.3046, 0.3722 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(204, 254, 214)` looks like.

```
.text, #text, p{  
    color:rgb(204, 254, 214)  
}
```

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(204, 254, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 254, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 88.5760, 0.3046, 0.3722 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(204, 254, 214) }
```

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

```
.border{ border-color:rgb(204, 254, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 254, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 254, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 254, 214);  
box-shadow:4px 4px 4px 4px rgb(204, 254,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.5760, 0.3046, 0.3722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 254, 214) }
```

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

```
.background{ background-color: rgb(204,  
254, 214) }
```

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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