

# Converting Colors

$Yxy(87.7575, 0.3102, 0.3914)$

Have a look what the booklet for  
Yxy(87.7575, 0.3102, 0.3914)  
contains.

<b>Yxy(87.7393, 0.3104, 0.3918)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(87.7393, 0.3104, 0.3918)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7FFC6
RGB	199, 255, 198
RGB Percent	78%, 100%, 78%
CMY	0.2195, 0.0000, 0.2236
CMYK	0.22, 0.00, 0.22, 0.00
HSL	119°, 100%, 89%
HSV	119°, 22%, 100%
XYZ	69.5107, 87.7393, 66.6890
YIQ	231.7580, -15.0790, -29.5990

# Conversions

## Conversions Part 2

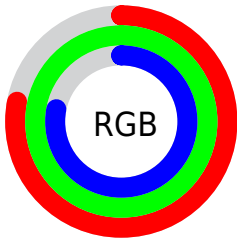
Format	Color
<b>RYB</b>	198, 255, 254
Decimal	13107142
CIELab	95.05, -28.19, 21.62
CIELCh	95, 35.525, 142.515
Yxy	87.7393, 0.3104, 0.3918
Android (android.graphics.Color)	4291297222 (0xFFC7FFC6)
YUV	231.7580, -16.6427, -28.7288
Hunter-Lab	93.6693, -31.4588, 23.3562

# Details

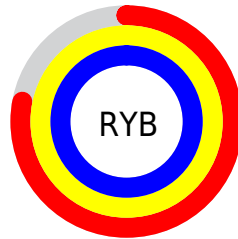
The Yxy color **87.7393, 0.3104, 0.3918** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.6652, 0.3146, 0.2731**, and the grayscale version is **80.6463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.3311, 0.3091, 0.4067** is the 20% darker color. If you saturate the color by 10%, you get **83.5157, 0.3091, 0.4252**, and if you desaturate by 10%, it is **92.7316, 0.3115, 0.3616**.

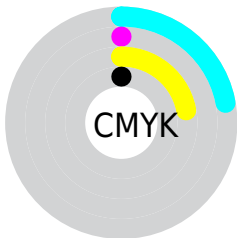
# Distribution



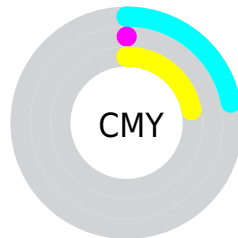
- Red (78%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.7393, 0.3104, 0.3918 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 87.7393, 0.3104, 0.3918 by changing the saturation by 10% instead.



 87.7393, 0.3104,  
0.3918

 87.7393, 0.3104,  
0.3918


520.6491, 0.3120,  
0.3625

 66.1072, 0.3099,  
0.3985

144.1942, 0.3111,  
0.3816

 48.3594, 0.3092,  
0.4068


179.7857, 0.3113,  
0.3777

 34.1116, 0.3082,  
0.4173


220.7991, 0.3115,  
0.3743

 22.9793, 0.3067,  
0.4311

267.6189, 0.3117,  
0.3713

 14.5783, 0.3044,  
0.4499

320.6294, 0.3118,  
0.3687

 8.5239, 0.3004,  
0.4768


380.2150, 0.3119,


 4.4320, 0.2927,


0.3664

0.5183


446.7601, 0.3120,  
0.3644


 1.9180, 0.2876,  
0.6152


 0.5592, 0.0000,  
1.0000


 87.7393, 0.3104,  
0.3918


 87.7393, 0.3104,  
0.3918


 83.5157, 0.3091,  
0.4252


 92.7316, 0.3115,  
0.3616

 80.0124, 0.3076,  
0.4608

 98.5165, 0.3125,  
0.3348

 77.1924, 0.3060,  
0.4968

 100.0000, 0.3127,  
0.3290

 75.0111, 0.3044,  
0.5309

■ 73.4188, 0.3029,  
0.5602

■ 72.3581, 0.3016,  
0.5820

■ 71.7604, 0.3006,  
0.5951

■ 71.5501, 0.3003,  
0.5998

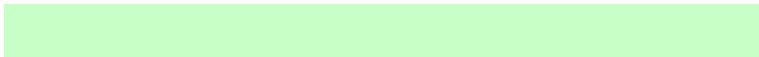
# Harmonies

## Analogous

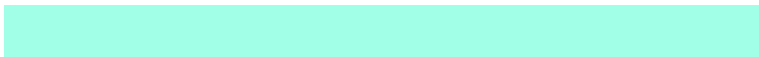
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7393, 0.3499, 0.4014



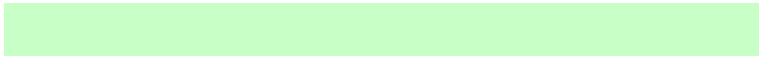
87.7393, 0.3104, 0.3918



87.7393, 0.2731, 0.3613

# Triad

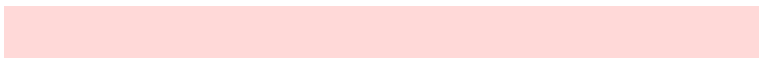
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.7393, 0.3104, 0.3918



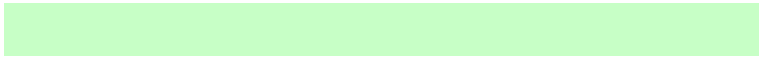
87.7393, 0.2475, 0.2681



87.7393, 0.3824, 0.3298

# Complementary

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



87.7393, 0.3104, 0.3918



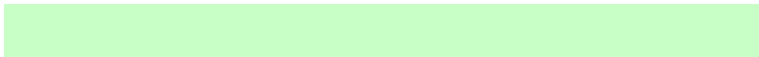
68.6652, 0.3146, 0.2731

# 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.



87.7393, 0.3515, 0.2989



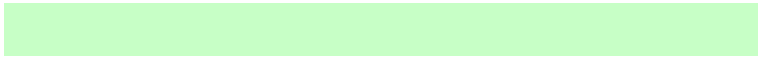
87.7393, 0.3104, 0.3918



87.7393, 0.2732, 0.2643

# Square

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



87.7393, 0.3104, 0.3918



87.7393, 0.2383, 0.2881



87.7393, 0.3109, 0.2755

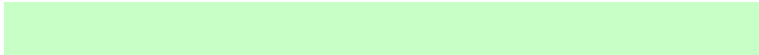


87.7393, 0.3931, 0.3623



# Rectangle

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



87.7393, 0.3104, 0.3918



87.7393, 0.2542, 0.3351



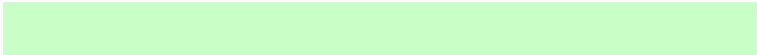
87.7393, 0.3109, 0.2755



87.7393, 0.3740, 0.3190

# Sweetspot

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



87.7430, 0.3104, 0.3918



95.7299, 0.3121, 0.3468



95.6501, 0.3470, 0.3833



20.4154, 0.3120, 0.3484



0.0000, 0.0000, 0.0000

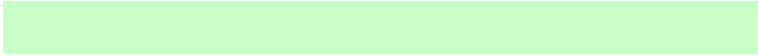


21.4041, 0.3127, 0.3290

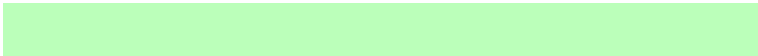


# Same Dimension

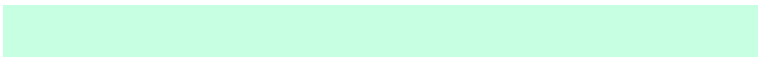
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7430, 0.3104, 0.3918



85.6881, 0.3098, 0.4070



88.9382, 0.2953, 0.3618



20.1840, 0.3118, 0.3536



37.3933, 0.3004, 0.5997



3.6462, 0.3013, 0.5990



# Inverse Universe

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



68.6652, 0.3146, 0.2731



63.4229, 0.3149, 0.2614



67.2659, 0.3348, 0.2984



18.2824, 0.3135, 0.3056



14.4324, 0.3164, 0.1516

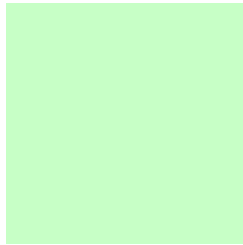


1.4104, 0.3169, 0.1519



# Previews

## White Background



This preview shows how the Yxy color 87.7393, 0.3104, 0.3918 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

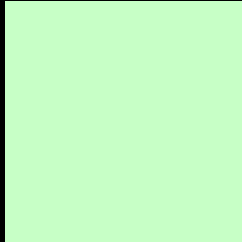
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.7393, 0.3104, 0.3918 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

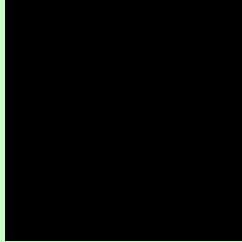
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

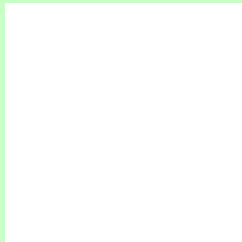
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.7393, 0.3104, 0.3918**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.7393, 0.3104, 0.3918.

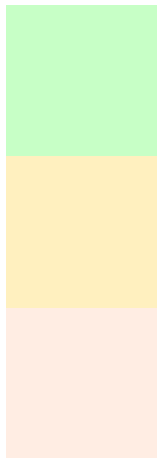


This preview shows how white text looks on a background with the Yxy color 87.7393, 0.3104, 0.3918.

# 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

87.7393, 0.3104, 0.3918

### Protanopia

87.3418, 0.3542, 0.3781

### Deuteranopia

87.3744, 0.3312, 0.3389



## Tritanopia

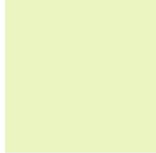
87.1685, 0.2938, 0.3168

# Trichromacy



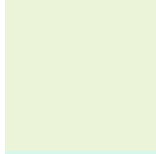
## Original Color

87.7393, 0.3104, 0.3918



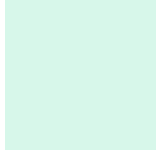
## Protanomaly

86.8620, 0.3373, 0.3822



## Deuteranomaly

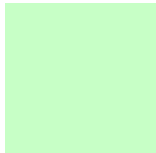
87.3214, 0.3238, 0.3579



## Tritanomaly

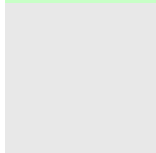
86.9091, 0.3002, 0.3426

# Monochromacy



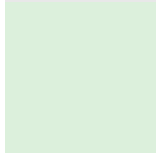
## Original Color

87.7393, 0.3104, 0.3918



## Achromatopsia

80.6952, 0.3127, 0.3290



## Achromatomaly

82.7031, 0.3117, 0.3503

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.7393, 0.3104, 0.3918 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(199, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 198)  
}
```

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(199, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 87.7393, 0.3104, 0.3918 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(199, 255, 198) }
```

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

```
.border{ border-color:rgb(199, 255, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 255, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 255, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 255, 198); box-shadow:4px 4px 4px 4px rgb(199, 255, 198) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.7393, 0.3104, 0.3918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 198) }
```

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

```
.background{ background-color: rgb(199,  
255, 198) }
```

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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