

# Converting Colors

$Y_{xy}(193.8378, 0.3106, 0.4851)$

Have a look what the booklet for  
Yxy(193.8378, 0.3106, 0.4851)  
contains.

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# Color

**Yxy(88.9704, 0.3188, 0.3951)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1FFC2
RGB	209, 255, 194
RGB Percent	82%, 100%, 76%
CMY	0.1804, 0.0000, 0.2392
CMYK	0.18, 0.00, 0.24, 0.00
HSL	105°, 100%, 88%
HSV	105°, 24%, 100%
XYZ	71.7888, 88.9704, 64.4253
YIQ	234.2920, -7.8350, -28.7230

# Conversions

## Conversions Part 2

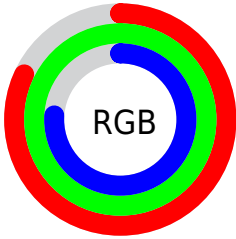
Format	Color
<b>RYB</b>	194, 255, 240
Decimal	13762498
CIELab	95.57, -25.55, 24.45
CIELCh	96, 35.366, 136.255
Yxy	88.9704, 0.3188, 0.3951
Android (android.graphics.Color)	4291952578 (0xFFD1FFC2)
YUV	234.2920, -19.8640, -22.1811
Hunter-Lab	94.3241, -29.2133, 25.5306

# Details

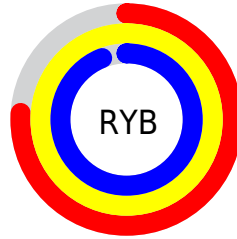
The Yxy color **88.9704, 0.3188, 0.3951** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.3293, 0.3044, 0.2672**, and the grayscale version is **82.6660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.7450, 0.3150, 0.3328**, and **49.1516, 0.3196, 0.4107** is the 20% darker color. If you saturate the color by 10%, you get **85.2812, 0.3207, 0.4270**, and if you desaturate by 10%, it is **93.1909, 0.3164, 0.3655**.

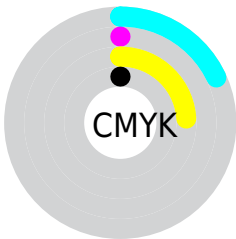
# Distribution



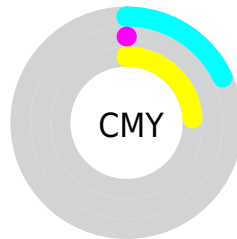
- Red (82%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (94%)



- Cyan (18%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.9704, 0.3188, 0.3951 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 88.9704, 0.3188, 0.3951 by changing the saturation by 10% instead.




 88.9704, 0.3188,  
0.3951

 88.9704, 0.3188,  
0.3951


524.6759, 0.3167,  
0.3645

 67.1270, 0.3191,  
0.4021


145.9074, 0.3182,  
0.3845

 49.1879, 0.3194,  
0.4107


181.7698, 0.3180,  
0.3803

 34.7685, 0.3196,  
0.4216


223.0740, 0.3177,  
0.3768

 23.4846, 0.3196,  
0.4358

270.2044, 0.3175,  
0.3737

 14.9518, 0.3192,  
0.4550

323.5454, 0.3173,  
0.3709

 8.7855, 0.3177,  
0.4822

383.4814, 0.3171,

 4.6016, 0.3136,

0.3685

0.5234

450.3968, 0.3169,  
0.3664

2.0154, 0.3199,  
0.6281

0.6164, 0.0000,  
1.0000

88.9704, 0.3188,  
0.3951

88.9704, 0.3188,  
0.3951

85.2812, 0.3207,  
0.4270

93.1909, 0.3164,  
0.3655

82.1072, 0.3219,  
0.4604

97.9694, 0.3138,  
0.3387

79.4228, 0.3222,  
0.4939

100.0000, 0.3127,  
0.3290

77.2024, 0.3213,  
0.5253

■ 75.4179, 0.3191,  
0.5527

■ 74.0378, 0.3157,  
0.5739

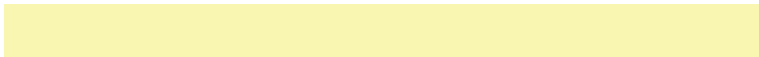
■ 73.0257, 0.3115,  
0.5877

■ 72.5656, 0.3088,  
0.5930

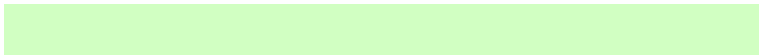
# Harmonies

## Analogous

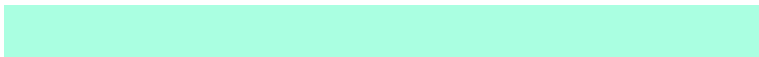
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9704, 0.3570, 0.3998



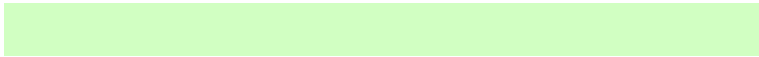
88.9704, 0.3188, 0.3951



88.9704, 0.2805, 0.3686

# Triad

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



88.9704, 0.3188, 0.3951



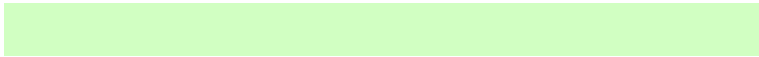
88.9704, 0.2447, 0.2714



88.9704, 0.3768, 0.3230

# Complementary

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



88.9704, 0.3188, 0.3951



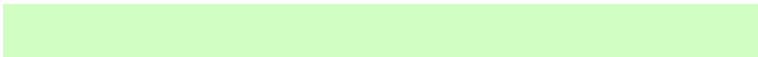
64.3293, 0.3044, 0.2672

# Split Complementary

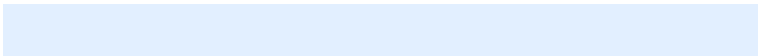
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.9704, 0.3431, 0.2935



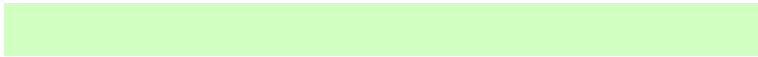
88.9704, 0.3188, 0.3951



88.9704, 0.2670, 0.2643

# Square

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



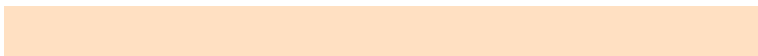
88.9704, 0.3188, 0.3951



88.9704, 0.2393, 0.2945



88.9704, 0.3026, 0.2725

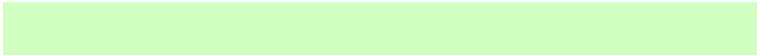


88.9704, 0.3921, 0.3555

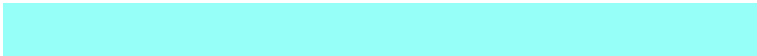


# Rectangle

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



88.9704, 0.3188, 0.3951



88.9704, 0.2599, 0.3434



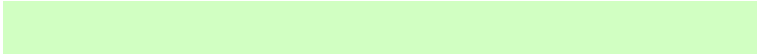
88.9704, 0.3026, 0.2725



88.9704, 0.3671, 0.3126

# Sweetspot

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



88.9684, 0.3188, 0.3951



96.4385, 0.3146, 0.3466



87.3276, 0.3523, 0.3749



20.5789, 0.3148, 0.3482



0.0000, 0.0000, 0.0000

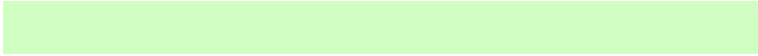


21.4041, 0.3127, 0.3290

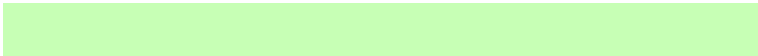


# Same Dimension

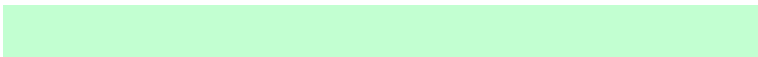
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.9684, 0.3188, 0.3951



87.0307, 0.3198, 0.4111



87.6047, 0.3012, 0.3794



20.3836, 0.3153, 0.3533



37.9750, 0.3097, 0.5923



3.7459, 0.3173, 0.5863



# Inverse Universe

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



64.3293, 0.3044, 0.2672



58.2630, 0.3021, 0.2534



66.1187, 0.3267, 0.2834



18.0624, 0.3098, 0.3053



9.7248, 0.2593, 0.1202

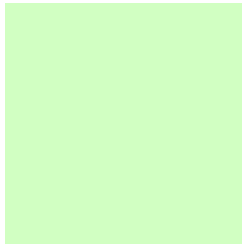


0.9978, 0.2666, 0.1242



# Previews

## White Background



This preview shows how the Yxy color 88.9704, 0.3188, 0.3951 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 88.9704, 0.3188, 0.3951 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

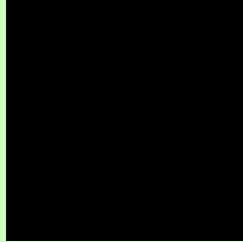
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

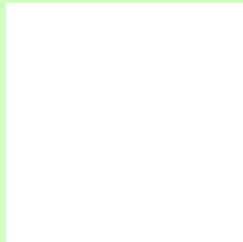
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.9704, 0.3188, 0.3951**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.9704, 0.3188, 0.3951.

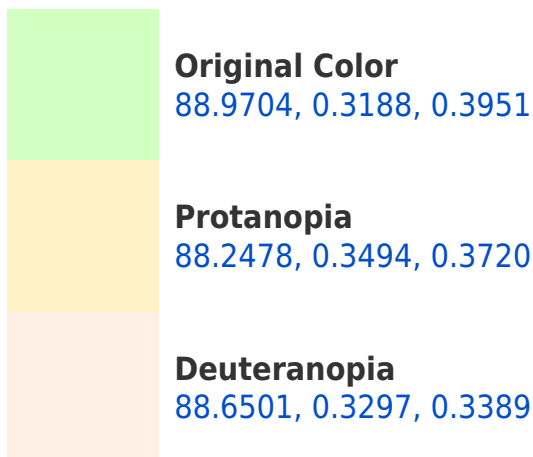


This preview shows how white text looks on a background with the Yxy color 88.9704, 0.3188, 0.3951.

# 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

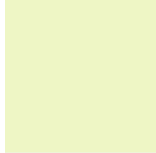
88.7444, 0.2975, 0.3179

# Trichromacy



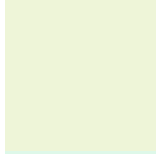
## Original Color

88.9704, 0.3188, 0.3951



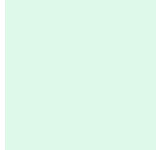
## Protanomaly

88.1199, 0.3373, 0.3796



## Deuteranomaly

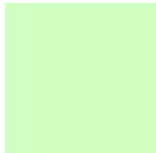
88.4398, 0.3257, 0.3587



## Tritanomaly

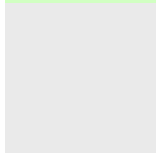
88.5476, 0.3051, 0.3445

# Monochromacy



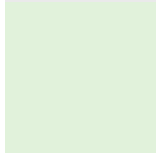
## Original Color

88.9704, 0.3188, 0.3951



## Achromatopsia

82.2786, 0.3127, 0.3290



## Achromatomaly

84.6263, 0.3155, 0.3532

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.9704, 0.3188, 0.3951 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(209, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 194)  
}
```

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(209, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 88.9704, 0.3188, 0.3951 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(209, 255, 194) }
```

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

```
.border{ border-color:rgb(209, 255, 194) }
```

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

Here you see how a box with a 4 pixel rgb(209, 255, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.9704, 0.3188, 0.3951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 194) }
```

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

```
.background{ background-color: rgb(209,  
255, 194) }
```

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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