

# Converting Colors

$Yxy(88.8574, 0.3182, 0.3950)$

Have a look what the booklet for  
Yxy(88.8574, 0.3182, 0.3950)  
contains.

<b>Yxy(88.8249, 0.3182, 0.3952)</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(88.8249, 0.3182, 0.3952)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0FFC2
RGB	208, 255, 194
RGB Percent	82%, 100%, 76%
CMY	0.1842, 0.0000, 0.2392
CMYK	0.18, 0.00, 0.24, 0.00
HSL	106°, 100%, 88%
HSV	106°, 24%, 100%
XYZ	71.5184, 88.8249, 64.4160
YIQ	233.9930, -8.4310, -28.9350

# Conversions

## Conversions Part 2

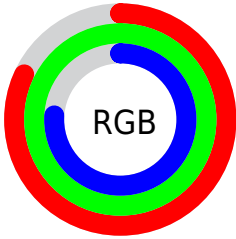
Format	Color
<b>RYB</b>	194, 255, 241
Decimal	13696962
CIELab	95.51, -25.86, 24.36
CIELCh	96, 35.525, 136.713
Yxy	88.8249, 0.3182, 0.3952
Android (android.graphics.Color)	4291887042 (0xFFD0FFC2)
YUV	233.9930, -19.7165, -22.7959
Hunter-Lab	94.2470, -29.4791, 25.4493

# Details

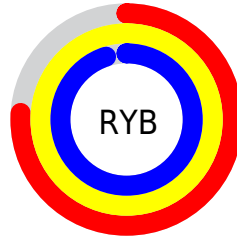
The Yxy color **88.8249, 0.3182, 0.3952** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.4995, 0.3051, 0.2673**, and the grayscale version is **82.4383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.7450, 0.3150, 0.3328**, and **49.0539, 0.3188, 0.4109** is the 20% darker color. If you saturate the color by 10%, you get **85.1071, 0.3199, 0.4273**, and if you desaturate by 10%, it is **93.0992, 0.3161, 0.3655**.

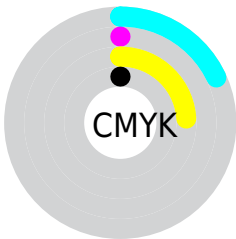
# Distribution



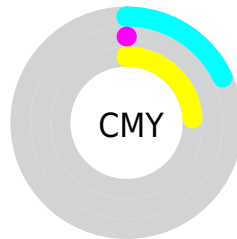
- Red (82%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (95%)



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.8249, 0.3182, 0.3952 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 88.8249, 0.3182, 0.3952 by changing the saturation by 10% instead.





 88.8249, 0.3182,  
0.3952

 88.8249, 0.3182,  
0.3952


524.2008, 0.3164,  
0.3645

 67.0064, 0.3184,  
0.4022


 145.7050, 0.3177,  
0.3845

 49.0899, 0.3186,  
0.4109


181.5355, 0.3175,  
0.3804

 34.6908, 0.3187,  
0.4218


222.8055, 0.3173,  
0.3768

 23.4248, 0.3186,  
0.4360

269.8992, 0.3171,  
0.3737

 14.9075, 0.3181,  
0.4553

323.2013, 0.3169,  
0.3710

 8.7545, 0.3164,  
0.4827

383.0960, 0.3167,

 4.5814, 0.3119,

0.3686

0.5242

449.9677, 0.3166,  
0.3664

■ 2.0038, 0.3177,  
0.6300

■ 0.6097, 0.0000,  
1.0000

■ 88.8249, 0.3182,  
0.3952

■ 88.8249, 0.3182,  
0.3952

■ 85.1071, 0.3199,  
0.4273

■ 93.0992, 0.3161,  
0.3655

■ 81.9114, 0.3209,  
0.4609

■ 97.9400, 0.3137,  
0.3387

■ 79.2172, 0.3210,  
0.4945

■ 99.9977, 0.3127,  
0.3290

■ 76.9980, 0.3200,  
0.5262

■ 75.2245, 0.3177,  
0.5536

■ 73.8641, 0.3144,  
0.5749

■ 72.8789, 0.3103,  
0.5886

■ 72.4378, 0.3078,  
0.5938

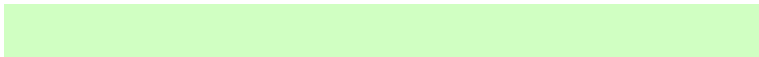
# Harmonies

## Analogous

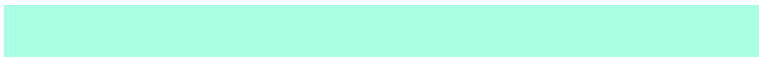
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8249, 0.3567, 0.4003



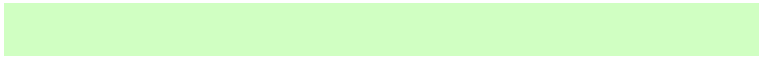
88.8249, 0.3182, 0.3952



88.8249, 0.2798, 0.3682

# Triad

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



88.8249, 0.3182, 0.3952



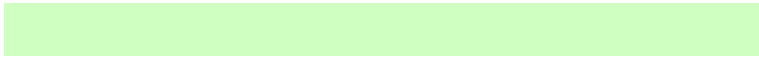
88.8249, 0.2446, 0.2709



88.8249, 0.3775, 0.3235

# Complementary

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



88.8249, 0.3182, 0.3952



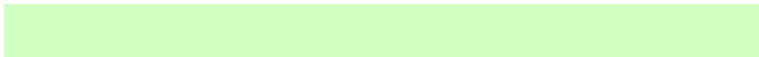
64.4995, 0.3051, 0.2673

# Split Complementary

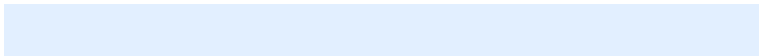
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.8249, 0.3439, 0.2938



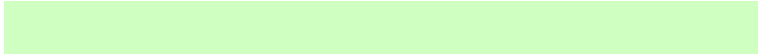
88.8249, 0.3182, 0.3952



88.8249, 0.2673, 0.2640

# Square

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



88.8249, 0.3182, 0.3952



88.8249, 0.2389, 0.2938



88.8249, 0.3031, 0.2725

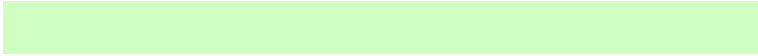


88.8249, 0.3926, 0.3561



# Rectangle

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



88.8249, 0.3182, 0.3952



88.8249, 0.2592, 0.3428



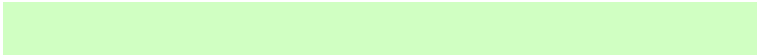
88.8249, 0.3031, 0.2725



88.8249, 0.3679, 0.3130

# Sweetspot

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



88.8287, 0.3182, 0.3952



96.3893, 0.3144, 0.3467



87.9262, 0.3520, 0.3758



20.5675, 0.3146, 0.3482



0.0000, 0.0000, 0.0000

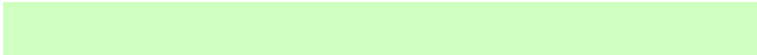


21.4041, 0.3127, 0.3290

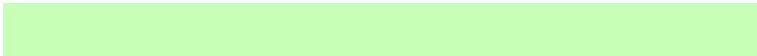


# Same Dimension

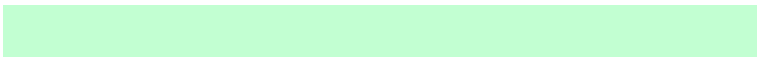
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.8287, 0.3182, 0.3952



86.8732, 0.3191, 0.4112



87.6543, 0.3007, 0.3783



20.3697, 0.3150, 0.3533



37.9064, 0.3086, 0.5931



3.7375, 0.3160, 0.5873



# Inverse Universe

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



64.4995, 0.3051, 0.2673



58.4622, 0.3030, 0.2536



66.0613, 0.3274, 0.2843



18.0773, 0.3101, 0.3053



9.9978, 0.2631, 0.1223

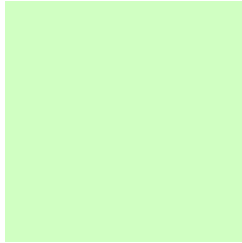


1.0223, 0.2700, 0.1261



# Previews

## White Background



This preview shows how the Yxy color 88.8249, 0.3182, 0.3952 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

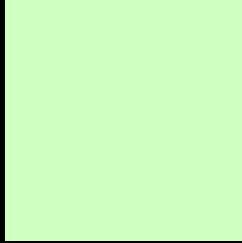
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.8249, 0.3182, 0.3952 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

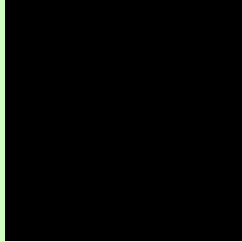
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

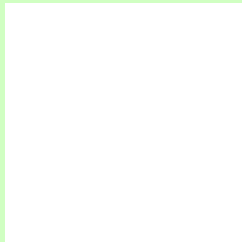
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.8249, 0.3182, 0.3952**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.8249, 0.3182, 0.3952.

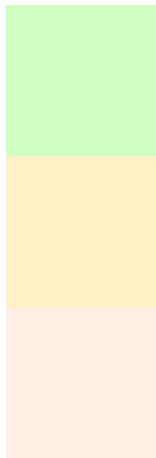


This preview shows how white text looks on a background with the Yxy color 88.8249, 0.3182, 0.3952.

# 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

88.8249, 0.3182, 0.3952

### Protanopia

88.2018, 0.3501, 0.3730

### Deuteranopia

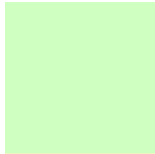
88.0105, 0.3305, 0.3389



## Tritanopia

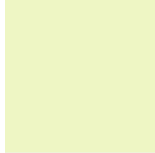
88.7444, 0.2975, 0.3179

# Trichromacy



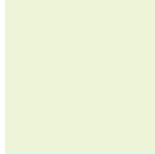
## Original Color

88.8249, 0.3182, 0.3952



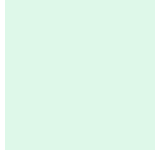
## Protanomaly

88.0742, 0.3379, 0.3807



## Deuteranomaly

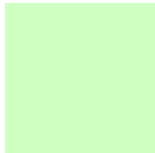
87.8364, 0.3258, 0.3577



## Tritanomaly

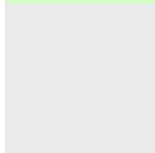
88.5476, 0.3051, 0.3445

# Monochromacy



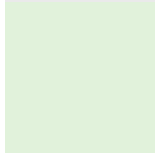
## Original Color

88.8249, 0.3182, 0.3952



## 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 88.8249, 0.3182, 0.3952 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(208, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(208, 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(208, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 88.8249, 0.3182, 0.3952 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(208, 255, 194) }
```

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

```
.border{ border-color:rgb(208, 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(208, 255, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.8249, 0.3182, 0.3952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 255, 194) }
```

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

```
.background{ background-color: rgb(208,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor