

# Converting Colors

$Y_{xy}(107.5132, 0.3155, 0.4193)$

Have a look what the booklet for  
Yxy(107.5132, 0.3155, 0.4193)  
contains.

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# Color

**Yxy(88.8700, 0.3176, 0.3941)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0FFC3
RGB	208, 255, 195
RGB Percent	82%, 100%, 76%
CMY	0.1844, 0.0000, 0.2353
CMYK	0.18, 0.00, 0.24, 0.00
HSL	107°, 100%, 88%
HSV	107°, 24%, 100%
XYZ	71.6192, 88.8700, 65.0120
YIQ	234.1070, -8.7520, -28.6240

# Conversions

## Conversions Part 2

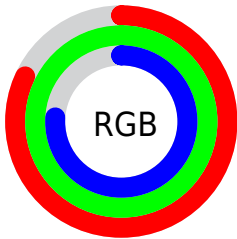
Format	Color
<b>RYB</b>	195, 255, 242
Decimal	13696963
CIELab	95.53, -25.73, 23.87
CIELCh	96, 35.098, 137.140
Yxy	88.8700, 0.3176, 0.3941
Android (android.graphics.Color)	4291887043 (0xFFD0FFC3)
YUV	234.1070, -19.2798, -22.8958
Hunter-Lab	94.2709, -29.3646, 25.1015

# Details

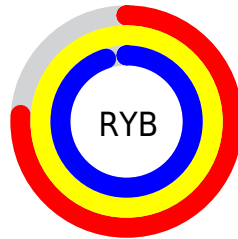
The Yxy color **88.8700, 0.3176, 0.3941** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.1356, 0.3058, 0.2685**, and the grayscale version is **82.5139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **49.0836, 0.3181, 0.4094** is the 20% darker color. If you saturate the color by 10%, you get **85.0946, 0.3191, 0.4262**, and if you desaturate by 10%, it is **93.2028, 0.3157, 0.3645**.

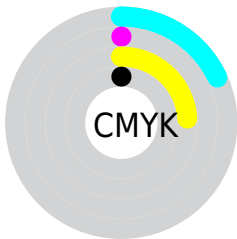
# Distribution



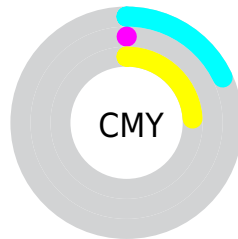
- Red (82%)
- Green (100%)
- Blue (76%)



- 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 88.8700, 0.3176, 0.3941 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 88.8700, 0.3176, 0.3941 by changing the saturation by 10% instead.



88.8700, 0.3176,  
0.3941

88.8700, 0.3176,  
0.3941

524.3481, 0.3161,  
0.3639

67.0438, 0.3178,  
0.4010

145.7678, 0.3172,  
0.3836

49.1202, 0.3179,  
0.4095

181.6082, 0.3170,  
0.3795

34.7149, 0.3180,  
0.4202

222.8887, 0.3168,  
0.3760

23.4433, 0.3178,  
0.4343

269.9939, 0.3166,  
0.3730

14.9212, 0.3172,  
0.4532

323.3080, 0.3165,  
0.3703

8.7641, 0.3154,  
0.4801

383.2155, 0.3163,

4.5876, 0.3109,

0.3679

0.5211

450.1007, 0.3162,  
0.3658

■ 2.0074, 0.3151,  
0.6222

■ 0.6118, 0.0000,  
1.0000

■ 88.8700, 0.3176,  
0.3941

■ 88.8700, 0.3176,  
0.3941

■ 85.0946, 0.3191,  
0.4262

■ 93.2028, 0.3157,  
0.3645

■ 81.8599, 0.3199,  
0.4599

■ 98.1221, 0.3135,  
0.3377

■ 79.1384, 0.3199,  
0.4937

100.0000, 0.3127,  
0.3290

■ 76.9027, 0.3188,  
0.5257

■ 75.1229, 0.3167,  
0.5535

■ 73.7653, 0.3134,  
0.5750

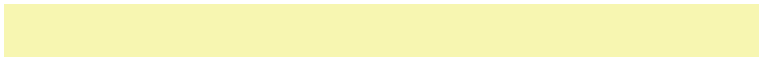
■ 72.7909, 0.3095,  
0.5890

■ 72.3363, 0.3069,  
0.5945

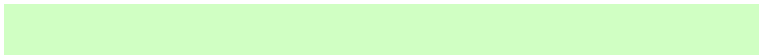
# Harmonies

## Analogous

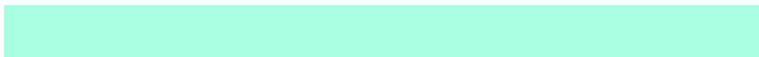
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8700, 0.3557, 0.3995



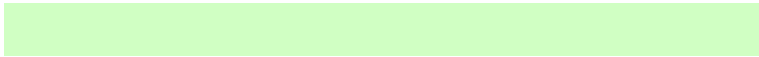
88.8700, 0.3176, 0.3941



88.8700, 0.2797, 0.3672

# Triad

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



88.8700, 0.3176, 0.3941



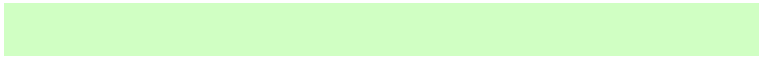
88.8700, 0.2456, 0.2714



88.8700, 0.3771, 0.3240

# Complementary

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



88.8700, 0.3176, 0.3941



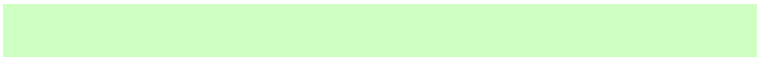
65.1356, 0.3058, 0.2685

# Split Complementary

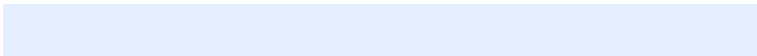
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.8700, 0.3441, 0.2945



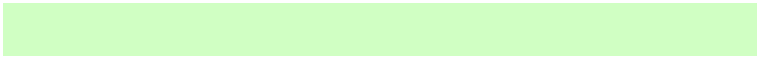
88.8700, 0.3176, 0.3941



88.8700, 0.2683, 0.2648

# Square

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



88.8700, 0.3176, 0.3941



88.8700, 0.2397, 0.2939



88.8700, 0.3038, 0.2734

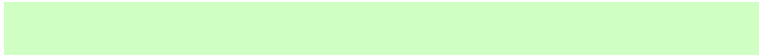


88.8700, 0.3916, 0.3563



# Rectangle

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



88.8700, 0.3176, 0.3941



88.8700, 0.2595, 0.3421



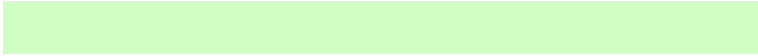
88.8700, 0.3038, 0.2734



88.8700, 0.3677, 0.3136

# Sweetspot

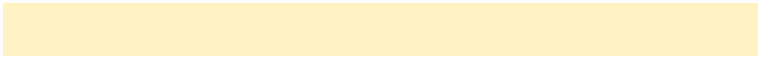
The Sweet Spot groups the original color and five complimentary colors.



88.8677, 0.3176, 0.3941



96.3458, 0.3143, 0.3467



88.7058, 0.3511, 0.3760



20.5575, 0.3144, 0.3483



0.0000, 0.0000, 0.0000

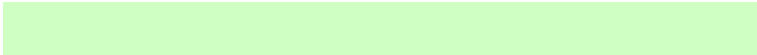


21.4041, 0.3127, 0.3290

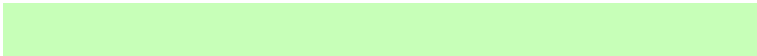


# Same Dimension

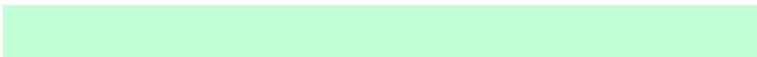
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.8677, 0.3176, 0.3941



87.1116, 0.3183, 0.4082



87.8769, 0.3003, 0.3762



20.3574, 0.3148, 0.3533



37.8496, 0.3077, 0.5939



3.7303, 0.3149, 0.5882



# Inverse Universe

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



65.1356, 0.3058, 0.2685



59.7833, 0.3041, 0.2565



66.4669, 0.3279, 0.2861



18.0905, 0.3103, 0.3053



10.2463, 0.2666, 0.1242

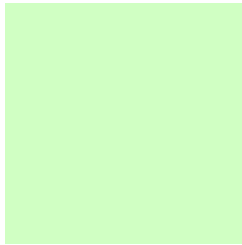


1.0445, 0.2731, 0.1278



# Previews

## White Background



This preview shows how the Yxy color 88.8700, 0.3176, 0.3941 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 88.8700, 0.3176, 0.3941 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

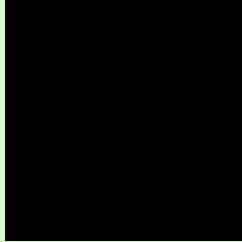
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

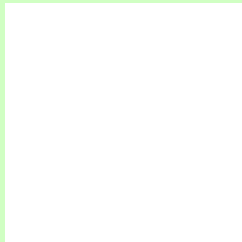
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.8700, 0.3176, 0.3941**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.8700, 0.3176, 0.3941.

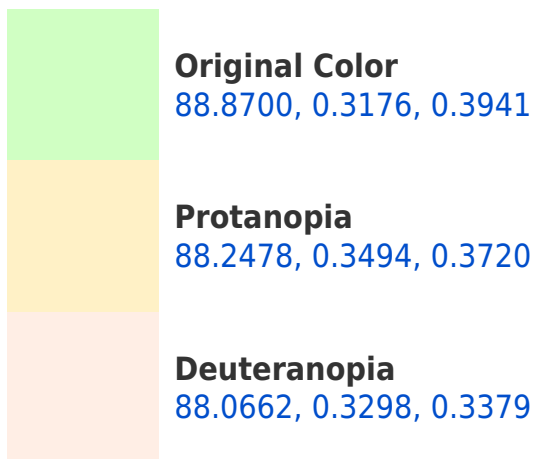


This preview shows how white text looks on a background with the Yxy color 88.8700, 0.3176, 0.3941.

# 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

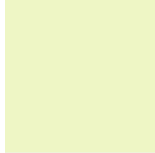
88.7444, 0.2975, 0.3179

# Trichromacy



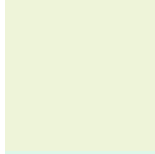
## Original Color

88.8700, 0.3176, 0.3941



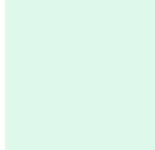
## Protanomaly

88.1199, 0.3373, 0.3796



## Deuteranomaly

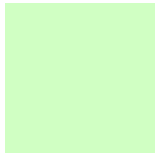
87.8883, 0.3252, 0.3567



## Tritanomaly

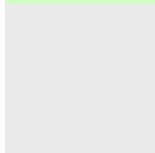
88.5476, 0.3051, 0.3445

# Monochromacy



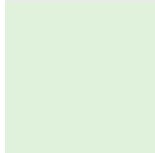
## Original Color

88.8700, 0.3176, 0.3941



## Achromatopsia

82.2786, 0.3127, 0.3290



## Achromatomaly

84.6791, 0.3149, 0.3521

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.8700, 0.3176, 0.3941 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 88.8700, 0.3176, 0.3941 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, 195) }
```

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

```
.border{ border-color:rgb(208, 255, 195) }
```

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, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.8700, 0.3176, 0.3941 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, 195) }
```

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

```
.background{ background-color: rgb(208,  
255, 195) }
```

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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