

# Converting Colors

Yxy(88.4662, 0.3187, 0.3985)

Have a look what the booklet for  
Yxy(88.4662, 0.3187, 0.3985)  
contains.

<b>Yxy(88.4034, 0.3186, 0.3988)</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(88.4034, 0.3186, 0.3988)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEFFBF
RGB	206, 255, 191
RGB Percent	81%, 100%, 75%
CMY	0.1920, 0.0000, 0.2509
CMYK	0.19, 0.00, 0.25, 0.00
HSL	106°, 100%, 87%
HSV	106°, 25%, 100%
XYZ	70.6252, 88.4034, 62.6449
YIQ	233.0530, -8.6600, -30.2920

# Conversions

## Conversions Part 2

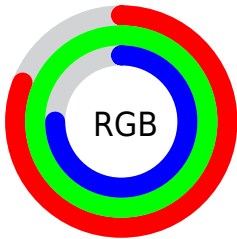
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 255, 240
Decimal	13565887
CIELab	95.33, -27.00, 25.61
CIELCh	95, 37.211, 136.517
Yxy	88.4034, 0.3186, 0.3988
Android (android.graphics.Color)	4291755967 (0xFFCEFFBF)
YUV	233.0530, -20.7321, -23.7255
Hunter-Lab	94.0231, -30.4606, 26.3129

# Details

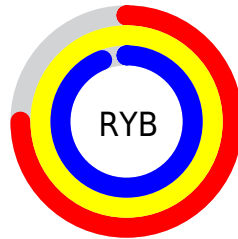
The Yxy color **88.4034, 0.3186, 0.3988** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.0172, 0.3044, 0.2641**, and the grayscale version is **81.6986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.5573, 0.3168, 0.3357**, and **48.7736, 0.3193, 0.4156** is the 20% darker color. If you saturate the color by 10%, you get **84.7573, 0.3203, 0.4311**, and if you desaturate by 10%, it is **92.5995, 0.3164, 0.3688**.

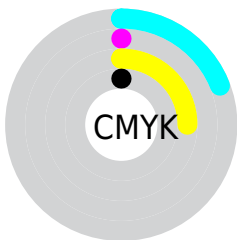
# Distribution



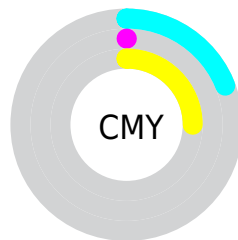
- Red (81%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (94%)



- Cyan (19%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (19%)
- Magenta (0%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.4034, 0.3186, 0.3988 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 88.4034, 0.3186, 0.3988 by changing the saturation by 10% instead.




 88.4034, 0.3186,  
0.3988

 88.4034, 0.3186,  
0.3988


522.8234, 0.3167,  
0.3663

 66.6572, 0.3188,  
0.4062


 145.1186, 0.3181,  
0.3875

 48.8061, 0.3190,  
0.4154

180.8565, 0.3179,  
0.3831

 34.4657, 0.3191,  
0.4270


222.0270, 0.3176,  
0.3794

 23.2516, 0.3189,  
0.4421

269.0146, 0.3174,  
0.3761

 14.7794, 0.3182,  
0.4626

322.2036, 0.3172,  
0.3732

 8.6647, 0.3162,  
0.4916

381.9785, 0.3170,

 4.5231, 0.3110,

0.3707

0.5357

448.7236, 0.3169,  
0.3684

1.9703, 0.3211,  
0.6596

0.5901, 0.0000,  
1.0000

88.4034, 0.3186,  
0.3988

88.4034, 0.3186,  
0.3988

84.7573, 0.3203,  
0.4311

92.5995, 0.3164,  
0.3688

81.6271, 0.3212,  
0.4647

97.3556, 0.3140,  
0.3417

78.9920, 0.3213,  
0.4981

99.9987, 0.3127,  
0.3290

76.8256, 0.3201,  
0.5294

■ 75.0986, 0.3178,  
0.5562

■ 73.7781, 0.3143,  
0.5766

■ 72.8260, 0.3101,  
0.5895

■ 72.4731, 0.3081,  
0.5936

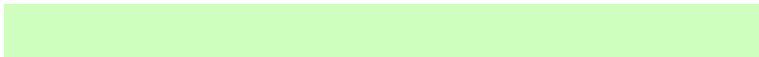
# Harmonies

## Analogous

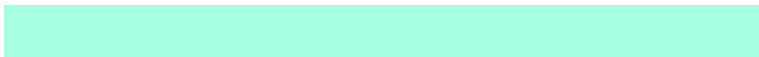
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4034, 0.3590, 0.4038



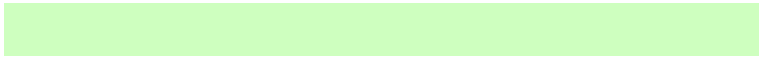
88.4034, 0.3186, 0.3988



88.4034, 0.2783, 0.3705

# Triad

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



88.4034, 0.3186, 0.3988



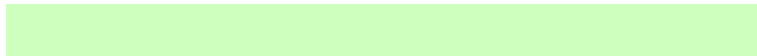
88.4034, 0.2414, 0.2683



88.4034, 0.3805, 0.3229

# Complementary

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



88.4034, 0.3186, 0.3988



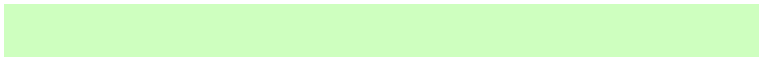
63.0172, 0.3044, 0.2641

# Split Complementary

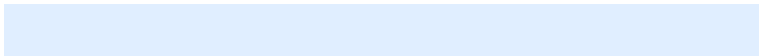
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.4034, 0.3451, 0.2919



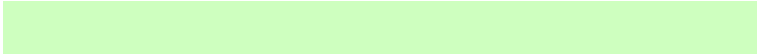
88.4034, 0.3186, 0.3988



88.4034, 0.2649, 0.2611

# Square

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



88.4034, 0.3186, 0.3988



88.4034, 0.2356, 0.2922



88.4034, 0.3023, 0.2699

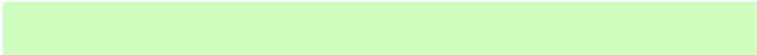


88.4034, 0.3965, 0.3569

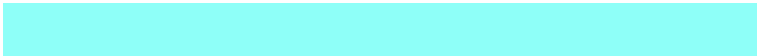


# Rectangle

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



88.4034, 0.3186, 0.3988



88.4034, 0.2568, 0.3437



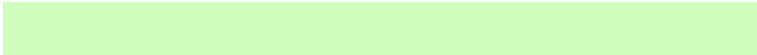
88.4034, 0.3023, 0.2699



88.4034, 0.3704, 0.3119

# Sweetspot

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



88.4072, 0.3186, 0.3988



95.9127, 0.3147, 0.3493



86.7582, 0.3544, 0.3772



20.3737, 0.3151, 0.3533



0.0000, 0.0000, 0.0000

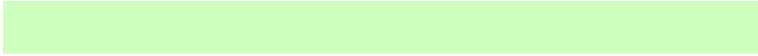


21.4041, 0.3127, 0.3290

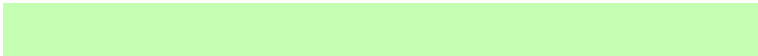


# Same Dimension

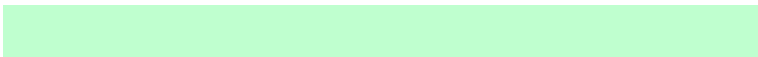
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.4072, 0.3186, 0.3988



86.5494, 0.3195, 0.4144



87.1043, 0.3007, 0.3823



20.3737, 0.3151, 0.3533



37.9252, 0.3089, 0.5929



3.7398, 0.3164, 0.5870



# Inverse Universe

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



63.0172, 0.3044, 0.2641



57.2749, 0.3023, 0.2509



64.7647, 0.3275, 0.2811



18.0731, 0.3100, 0.3053



9.9203, 0.2620, 0.1217

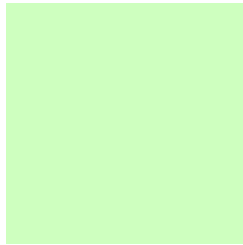


1.0153, 0.2690, 0.1256



# Previews

## White Background



This preview shows how the Yxy color 88.4034, 0.3186, 0.3988 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 88.4034, 0.3186, 0.3988 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

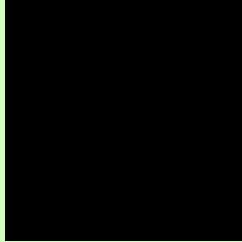
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

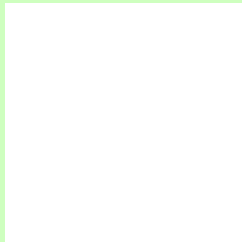
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.4034, 0.3186, 0.3988**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.4034, 0.3186, 0.3988.

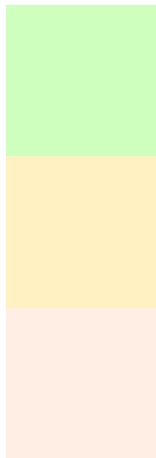


This preview shows how white text looks on a background with the Yxy color 88.4034, 0.3186, 0.3988.

# 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

88.4034, 0.3186, 0.3988

### Protanopia

88.0656, 0.3520, 0.3760

### Deuteranopia

87.9551, 0.3311, 0.3399



## Tritanopia

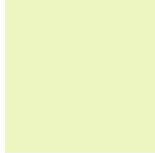
87.8152, 0.2962, 0.3169

# Trichromacy



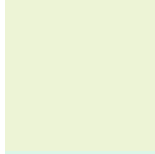
## Original Color

88.4034, 0.3186, 0.3988



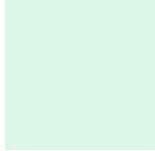
## Protanomaly

87.7663, 0.3391, 0.3840



## Deuteranomaly

87.5609, 0.3264, 0.3599



## Tritanomaly

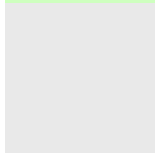
87.5634, 0.3044, 0.3446

# Monochromacy



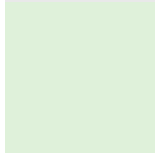
## Original Color

88.4034, 0.3186, 0.3988



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

83.6605, 0.3149, 0.3534

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.4034, 0.3186, 0.3988 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(206, 255, 191)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 191)  
}
```

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(206, 255, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 88.4034, 0.3186, 0.3988 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(206, 255, 191) }
```

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

```
.border{ border-color:rgb(206, 255, 191) }
```

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

Here you see how a box with a 4 pixel rgb(206, 255, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 191);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.4034, 0.3186, 0.3988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 191) }
```

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

```
.background{ background-color: rgb(206,  
255, 191) }
```

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