

# Converting Colors

$Yxy(84.3847, 0.3271, 0.4452)$

Have a look what the booklet for  
Yxy(84.3847, 0.3271, 0.4452)  
contains.

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# Color

**Yxy(84.3847, 0.3271, 0.4452)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBFF99
RGB	187, 255, 153
RGB Percent	73%, 100%, 60%
CMY	0.2667, 0.0000, 0.4000
CMYK	0.27, 0.00, 0.40, 0.00
HSL	100°, 100%, 80%
HSV	100°, 40%, 100%
XYZ	61.9996, 84.3847, 43.1590
YIQ	223.0400, -7.7860, -46.1380

# Conversions

## Conversions Part 2

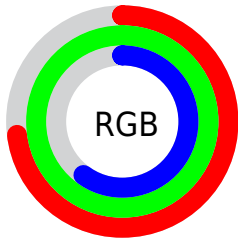
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 255, 221
Decimal	12320665
CIELab	93.62, -38.86, 42.08
CIELCh	94, 57.277, 132.720
Yxy	84.3847, 0.3271, 0.4452
Android (android.graphics.Color)	4290510745 (0xFFBBFF99)
YUV	223.0400, -34.5297, -31.6071
Hunter-Lab	91.8611, -40.2824, 36.4466

# Details

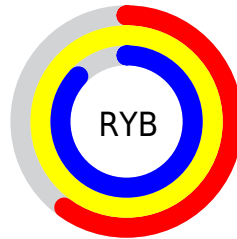
The Yxy color **84.3847, 0.3271, 0.4452** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **45.3814, 0.2893, 0.2215**, and the grayscale version is **74.0711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4865, 0.3340, 0.3760**, and **46.1336, 0.3275, 0.4743** is the 20% darker color. If you saturate the color by 10%, you get **81.6085, 0.3289, 0.4777**, and if you desaturate by 10%, it is **87.5901, 0.3243, 0.4132**.

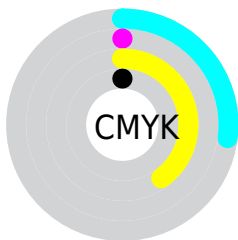
# Distribution



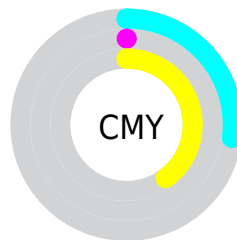
- Red (73%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (87%)



- Cyan (27%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)



- Cyan (27%)
- Magenta (0%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.3847, 0.3271, 0.4452 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 84.3847, 0.3271, 0.4452 by changing the saturation by 10% instead.





 84.3847, 0.3271,  
0.4452


 84.3847, 0.3271,  
0.4452


509.5899, 0.3227,  
0.3901

 63.3331, 0.3275,  
0.4579


 139.5132, 0.3261,  
0.4259

 46.1107, 0.3276,  
0.4737


 174.3589, 0.3255,  
0.4184

 32.3332, 0.3272,  
0.4936


214.5714, 0.3250,  
0.4120

 21.6161, 0.3257,  
0.5194

260.5351, 0.3245,  
0.4065

 13.5751, 0.3219,  
0.5539

312.6344, 0.3240,  
0.4016

 7.8258, 0.3131,  
0.6011


371.2537, 0.3236,

 3.9837, 0.3046,

0.3973

0.6954


436.7774, 0.3231,  
0.3935

 1.6644, 0.2254,  
0.7746


 0.4005, 0.0000,  
1.0000


 84.3847, 0.3271,  
0.4452

 84.3847, 0.3271,  
0.4452


 81.6085, 0.3289,  
0.4777

 87.5901, 0.3243,  
0.4132

 79.2484, 0.3294,  
0.5090

 91.2509, 0.3207,  
0.3827

 77.2797, 0.3283,  
0.5372

 95.3824, 0.3168,  
0.3545

 75.6777, 0.3255,  
0.5603

100.0000, 0.3127,  
0.3290

■ 74.4140, 0.3211,  
0.5770

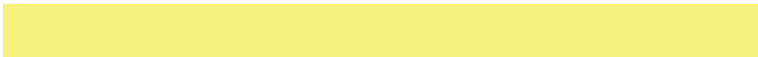
■ 73.4485, 0.3159,  
0.5874

■ 73.4483, 0.3159,  
0.5874

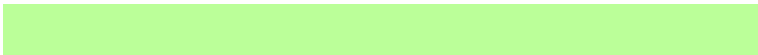
# Harmonies

## Analogous

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



84.3847, 0.3883, 0.4431



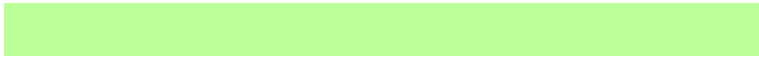
84.3847, 0.3271, 0.4452



84.3847, 0.2652, 0.4036

# Triad

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



84.3847, 0.3271, 0.4452



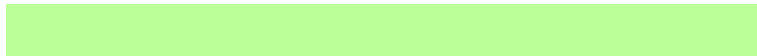
84.3847, 0.2034, 0.2389



84.3847, 0.4135, 0.3111

# Complementary

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



84.3847, 0.3271, 0.4452



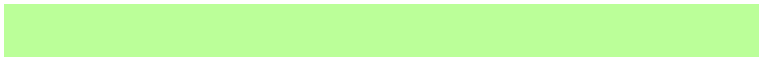
45.3814, 0.2893, 0.2215

# Split Complementary

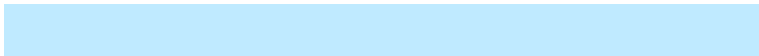
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.3847, 0.3539, 0.2681



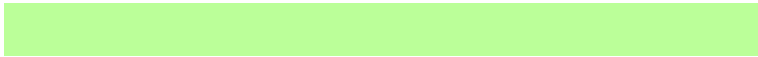
84.3847, 0.3271, 0.4452



84.3847, 0.2340, 0.2274

# Square

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



84.3847, 0.3271, 0.4452



84.3847, 0.1981, 0.2758



84.3847, 0.2872, 0.2384

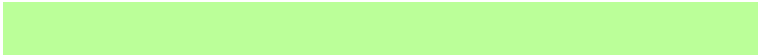


84.3847, 0.4426, 0.3605



# Rectangle

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



84.3847, 0.3271, 0.4452



84.3847, 0.2320, 0.3595



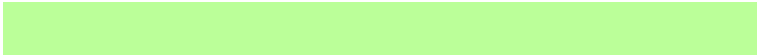
84.3847, 0.2872, 0.2384



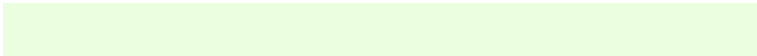
84.3847, 0.3960, 0.2957

# Sweetspot

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



84.3823, 0.3271, 0.4452



94.5164, 0.3176, 0.3600



75.2743, 0.3855, 0.3984



20.1117, 0.3181, 0.3636



0.0000, 0.0000, 0.0000

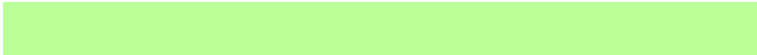


21.4041, 0.3127, 0.3290

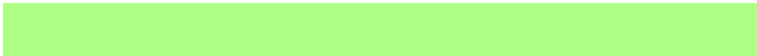


# Same Dimension

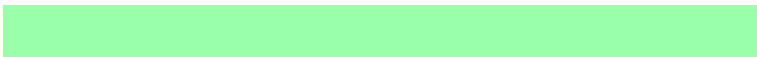
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3823, 0.3271, 0.4452



82.1288, 0.3287, 0.4712



81.1955, 0.2985, 0.4317



20.4620, 0.3166, 0.3532



38.4507, 0.3170, 0.5865



3.8007, 0.3255, 0.5798



# Inverse Universe

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



45.3814, 0.2893, 0.2215



38.2167, 0.2829, 0.1995



50.2179, 0.3316, 0.2446



17.9796, 0.3084, 0.3052



8.3269, 0.2382, 0.1086

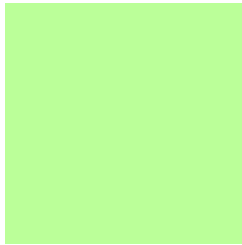


0.8705, 0.2478, 0.1138



# Previews

## White Background



This preview shows how the Yxy color 84.3847, 0.3271, 0.4452 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

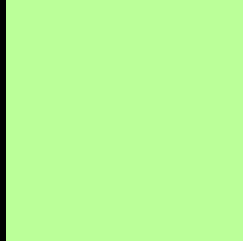
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.3847, 0.3271, 0.4452 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

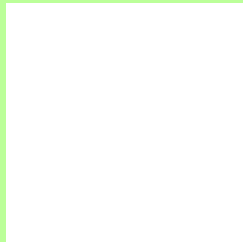
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.3847, 0.3271, 0.4452**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.3847, 0.3271, 0.4452.

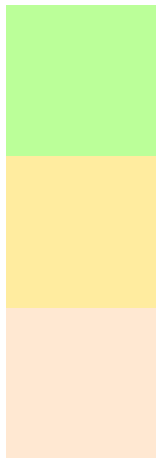


This preview shows how white text looks on a background with the Yxy color 84.3847, 0.3271, 0.4452.

# 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

84.3847, 0.3271, 0.4452

### Protanopia

83.7541, 0.3759, 0.4063

### Deuteranopia

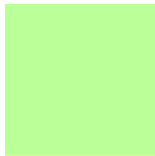
83.6264, 0.3432, 0.3511



## Tritanopia

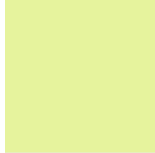
83.6863, 0.2870, 0.3134

# Trichromacy



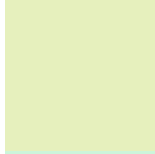
## Original Color

84.3847, 0.3271, 0.4452



## Protanomaly

83.3585, 0.3567, 0.4202



## Deuteranomaly

82.8173, 0.3377, 0.3833



## Tritanomaly

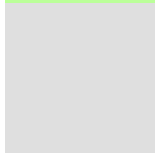
83.2041, 0.3025, 0.3585

# Monochromacy



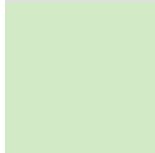
## Original Color

84.3847, 0.3271, 0.4452



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

77.1955, 0.3189, 0.3702

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.3847, 0.3271, 0.4452 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(187, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 153)  
}
```

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(187, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 84.3847, 0.3271, 0.4452 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(187, 255, 153) }
```

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

```
.border{ border-color:rgb(187, 255, 153) }
```

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

Here you see how a box with a 4 pixel rgb(187, 255, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.3847, 0.3271, 0.4452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 153) }
```

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

```
.background{ background-color: rgb(187,  
255, 153) }
```

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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