

# Converting Colors

$Yxy(85.6780, 0.3347, 0.4568)$

Have a look what the booklet for  
Yxy(85.6780, 0.3347, 0.4568)  
contains.

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# Color

**Yxy(84.5795, 0.3348, 0.4552)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFFF8F
RGB	191, 255, 143
RGB Percent	75%, 100%, 56%
CMY	0.2508, 0.0000, 0.4393
CMYK	0.25, 0.00, 0.44, 0.00
HSL	94°, 100%, 78%
HSV	94°, 44%, 100%
XYZ	62.2083, 84.5795, 39.0195
YIQ	223.0960, -2.1920, -48.4000

# Conversions

## Conversions Part 2

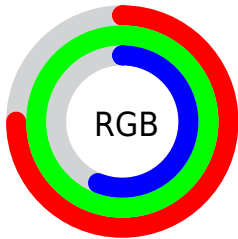
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 255, 207
Decimal	12582799
CIELab	93.70, -38.73, 47.08
CIELCh	94, 60.967, 129.445
Yxy	84.5795, 0.3348, 0.4552
Android (android.graphics.Color)	4290772879 (0xFFBFFF8F)
YUV	223.0960, -39.4873, -28.1482
Hunter-Lab	91.9671, -40.2017, 39.2216

# Details

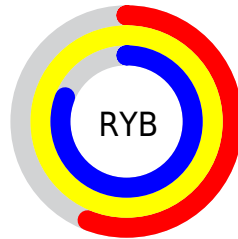
The Yxy color **84.5795, 0.3348, 0.4552** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.1111, 0.2773, 0.2076**, and the grayscale version is **74.1556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7370, 0.3426, 0.3858**, and **46.2772, 0.3364, 0.4860** is the 20% darker color. If you saturate the color by 10%, you get **82.1011, 0.3375, 0.4860**, and if you desaturate by 10%, it is **87.4285, 0.3308, 0.4240**.

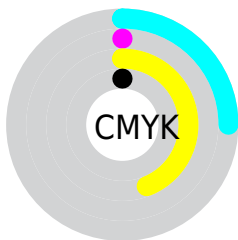
# Distribution



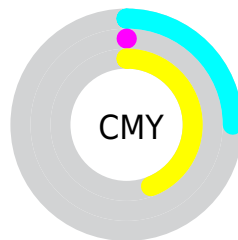
- Red (75%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (81%)



- Cyan (25%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.5795, 0.3348, 0.4552 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 84.5795, 0.3348, 0.4552 by changing the saturation by 10% instead.




 84.5795, 0.3348,  
0.4552

 84.5795, 0.3348,  
0.4552

510.2356, 0.3274,  
0.3955

 63.4940, 0.3357,  
0.4689

 139.7855, 0.3329,  
0.4344

 46.2410, 0.3363,  
0.4857


 174.6748, 0.3319,  
0.4263

 32.4360, 0.3364,  
0.5068


214.9342, 0.3311,  
0.4194

 21.6947, 0.3354,  
0.5338

260.9480, 0.3302,  
0.4134

 13.6328, 0.3317,  
0.5693

313.1007, 0.3294,  
0.4081

 7.8657, 0.3224,  
0.6171

371.7765, 0.3287,

 4.0091, 0.3056,

0.4034

0.6944

437.3601, 0.3281,  
0.3992

■ 1.6787, 0.2281,  
0.7719

■ 0.4098, 0.0000,  
1.0000

■ 84.5795, 0.3348,  
0.4552

■ 84.5795, 0.3348,  
0.4552

■ 82.1011, 0.3375,  
0.4860

■ 87.4285, 0.3308,  
0.4240

■ 79.9649, 0.3385,  
0.5148

■ 90.6533, 0.3259,  
0.3937

■ 78.1551, 0.3375,  
0.5399

■ 94.2725, 0.3206,  
0.3651

■ 76.6500, 0.3345,  
0.5598

■ 98.3004, 0.3149,  
0.3387

■ 75.4242, 0.3296,  
0.5735

99.9999, 0.3127,  
0.3290

■ 74.7971, 0.3262,  
0.5792

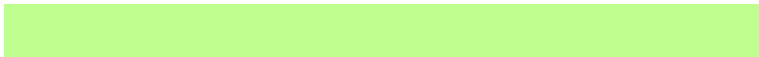
# Harmonies

## Analogous

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



84.5795, 0.3985, 0.4471



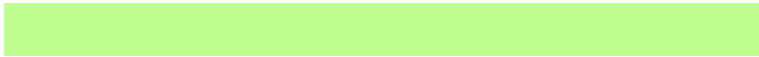
84.5795, 0.3348, 0.4552



84.5795, 0.2686, 0.4157

# Triad

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



84.5795, 0.3348, 0.4552



84.5795, 0.1956, 0.2364



84.5795, 0.4142, 0.3043

# Complementary

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



84.5795, 0.3348, 0.4552



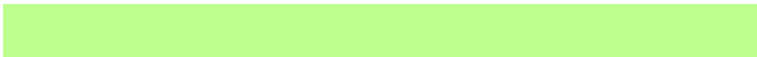
40.1111, 0.2773, 0.2076

# Split Complementary

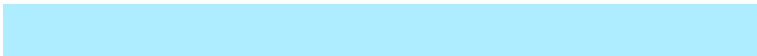
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5795, 0.3484, 0.2604



84.5795, 0.3348, 0.4552



84.5795, 0.2247, 0.2220

# Square

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



84.5795, 0.3348, 0.4552



84.5795, 0.1929, 0.2779



84.5795, 0.2783, 0.2312

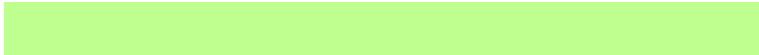


84.5795, 0.4495, 0.3557



# Rectangle

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



84.5795, 0.3348, 0.4552



84.5795, 0.2321, 0.3694



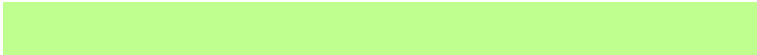
84.5795, 0.2783, 0.2312



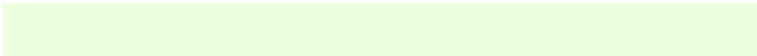
84.5795, 0.3945, 0.2885

# Sweetspot

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



84.5832, 0.3348, 0.4552



94.6313, 0.3200, 0.3625



67.6032, 0.3989, 0.3944



20.0748, 0.3213, 0.3686



0.0000, 0.0000, 0.0000

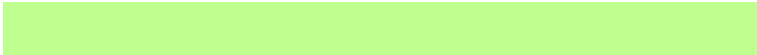


21.4041, 0.3127, 0.3290

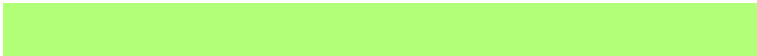


# Same Dimension

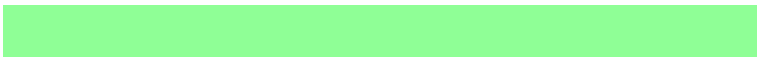
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5832, 0.3348, 0.4552



82.3181, 0.3373, 0.4832



79.5729, 0.3027, 0.4578



20.5491, 0.3181, 0.3531



39.1671, 0.3273, 0.5783



3.8765, 0.3361, 0.5713



# Inverse Universe

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



40.1111, 0.2773, 0.2076



32.4890, 0.2675, 0.1819



47.6436, 0.3241, 0.2273



17.8896, 0.3069, 0.3051



7.0361, 0.2166, 0.0967

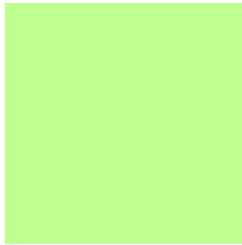


0.7496, 0.2280, 0.1030



# Previews

## White Background



This preview shows how the Yxy color 84.5795, 0.3348, 0.4552 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

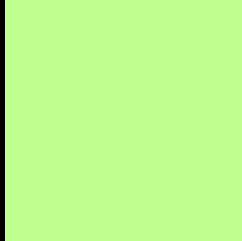
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.5795, 0.3348, 0.4552 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

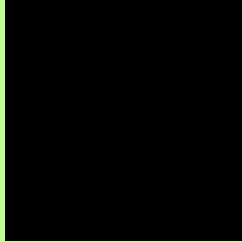
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.5795, 0.3348, 0.4552**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.5795, 0.3348, 0.4552.

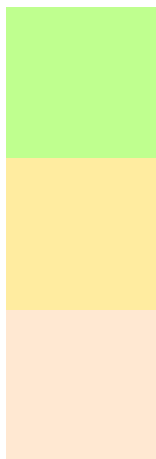


This preview shows how white text looks on a background with the Yxy color 84.5795, 0.3348, 0.4552.

# 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

84.5795, 0.3348, 0.4552

### Protanopia

83.7890, 0.3753, 0.4053

### Deuteranopia

83.6264, 0.3432, 0.3511



## Tritanopia

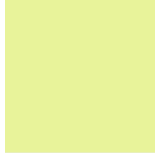
84.1391, 0.2888, 0.3134

# Trichromacy



## Original Color

84.5795, 0.3348, 0.4552



## Protanomaly

83.5901, 0.3599, 0.4228



## Deuteranomaly

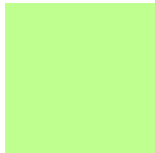
83.0212, 0.3410, 0.3863



## Tritanomaly

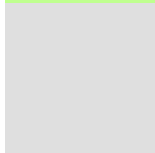
83.4253, 0.3067, 0.3628

# Monochromacy



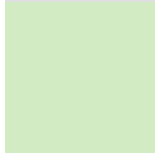
## Original Color

84.5795, 0.3348, 0.4552



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

77.1606, 0.3220, 0.3747

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.5795, 0.3348, 0.4552 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(191, 255, 143)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 143)  
}
```

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(191, 255, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 143) }
```

## Border

The CSS property to change the border of an element to Yxy 84.5795, 0.3348, 0.4552 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(191, 255, 143) }
```

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

```
.border{ border-color:rgb(191, 255, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 255, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 255, 143); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 255, 143); box-shadow:4px 4px 4px 4px rgb(191, 255, 143) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.5795, 0.3348, 0.4552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 143) }
```

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

```
.background{ background-color: rgb(191,  
255, 143) }
```

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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