

# Converting Colors

Yxy(84.5624, 0.3368, 0.4585)

Have a look what the booklet for  
Yxy(84.5624, 0.3368, 0.4585)  
contains.

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# Color

**Yxy(84.6199, 0.3369, 0.4581)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0FF8C
RGB	192, 255, 140
RGB Percent	75%, 100%, 55%
CMY	0.2471, 0.0000, 0.4509
CMYK	0.25, 0.00, 0.45, 0.00
HSL	93°, 100%, 77%
HSV	93°, 45%, 100%
XYZ	62.2319, 84.6199, 37.8675
YIQ	223.0530, -0.6330, -49.1210

# Conversions

## Conversions Part 2

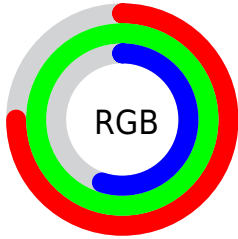
Format	Color
<a href="#">RYB</a>	<a href="#">140, 255, 203</a>
Decimal	<a href="#">12648332</a>
CIELab	<a href="#">93.72, -38.76, 48.52</a>
CIElCh	<a href="#">94, 62.101, 128.614</a>
Yxy	<a href="#">84.6199, 0.3369, 0.4581</a>
Android (android.graphics.Color)	<a href="#">4290838412</a> ( <a href="#">0xFFC0FF8C</a> )
YUV	<a href="#">223.0530, -40.9451, -27.2335</a>
Hunter-Lab	<a href="#">91.9891, -40.2231, 39.9855</a>

# Details

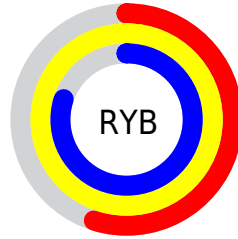
The Yxy color **84.6199, 0.3369, 0.4581** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **38.6779, 0.2739, 0.2035**, and the grayscale version is **74.1282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7841, 0.3450, 0.3886**, and **46.3105, 0.3388, 0.4893** is the 20% darker color. If you saturate the color by 10%, you get **82.2147, 0.3398, 0.4884**, and if you desaturate by 10%, it is **87.3727, 0.3327, 0.4272**.

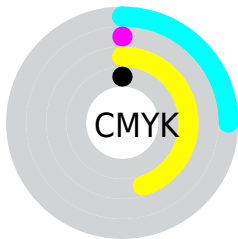
# Distribution



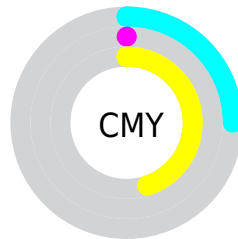
- Red (75%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (80%)



- Cyan (25%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.6199, 0.3369, 0.4581 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 84.6199, 0.3369, 0.4581 by changing the saturation by 10% instead.



 84.6199, 0.3369,  
0.4581


 84.6199, 0.3369,  
0.4581


510.3695, 0.3287,  
0.3971

 63.5274, 0.3379,  
0.4720


 139.8420, 0.3347,  
0.4369

 46.2680, 0.3387,  
0.4891

 174.7403, 0.3337,  
0.4286

 32.4573, 0.3389,  
0.5106


215.0094, 0.3327,  
0.4215

 21.7111, 0.3379,  
0.5379

261.0336, 0.3318,  
0.4154

 13.6447, 0.3341,  
0.5736

313.1973, 0.3309,  
0.4100

 7.8740, 0.3249,  
0.6220


371.8849, 0.3302,

 4.0144, 0.3056,


0.4052


0.6944


437.4809, 0.3294,  
0.4009

 1.6816, 0.2283,  
0.7717


 0.4117, 0.0000,  
1.0000


 84.6199, 0.3369,  
0.4581


 84.6199, 0.3369,  
0.4581


 82.2147, 0.3398,  
0.4884


 87.3727, 0.3327,  
0.4272

 80.1399, 0.3408,  
0.5165

 90.4885, 0.3275,  
0.3969

 78.3766, 0.3399,  
0.5407

 93.9819, 0.3218,  
0.3682

 76.9037, 0.3368,  
0.5596

 97.8667, 0.3158,  
0.3416

■ 75.6957, 0.3318,  
0.5724

100.0000, 0.3127,  
0.3290

■ 75.1843, 0.3290,  
0.5770

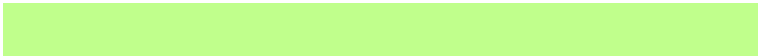
# Harmonies

## Analogous

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



84.6199, 0.4014, 0.4482



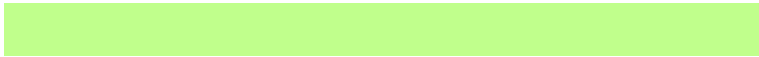
84.6199, 0.3369, 0.4581



84.6199, 0.2694, 0.4192

# Triad

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



84.6199, 0.3369, 0.4581



84.6199, 0.1933, 0.2356



84.6199, 0.4145, 0.3024

# Complementary

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



84.6199, 0.3369, 0.4581



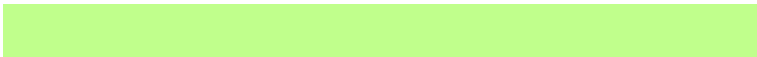
38.6779, 0.2739, 0.2035

# Split Complementary

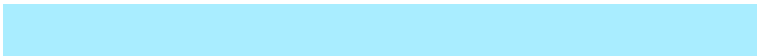
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.6199, 0.3470, 0.2583



84.6199, 0.3369, 0.4581



84.6199, 0.2220, 0.2204

# Square

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



84.6199, 0.3369, 0.4581



84.6199, 0.1913, 0.2784



84.6199, 0.2759, 0.2292

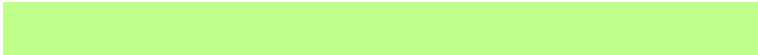


84.6199, 0.4516, 0.3544



# Rectangle

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



84.6199, 0.3369, 0.4581



84.6199, 0.2320, 0.3723



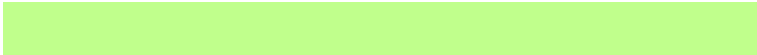
84.6199, 0.2759, 0.2292



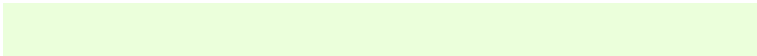
84.6199, 0.3942, 0.2864

# Sweetspot

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



84.6200, 0.3369, 0.4581



94.3875, 0.3211, 0.3652



65.0852, 0.4036, 0.3924



20.0325, 0.3224, 0.3712



0.0000, 0.0000, 0.0000

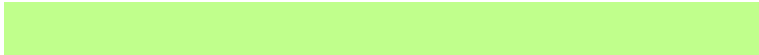


21.4041, 0.3127, 0.3290

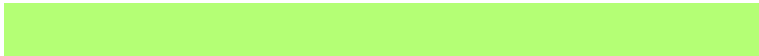


# Same Dimension

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



84.6200, 0.3369, 0.4581



82.4613, 0.3395, 0.4852



79.1053, 0.3043, 0.4665



20.5702, 0.3184, 0.3531



39.3713, 0.3302, 0.5760



3.8973, 0.3389, 0.5691



# Inverse Universe

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



38.6779, 0.2739, 0.2035



31.3166, 0.2636, 0.1780



46.9951, 0.3211, 0.2217



17.8682, 0.3065, 0.3050



6.7629, 0.2118, 0.0940

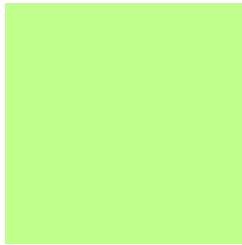


0.7234, 0.2235, 0.1005



# Previews

## White Background



This preview shows how the Yxy color 84.6199, 0.3369, 0.4581 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

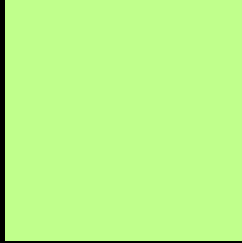
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.6199, 0.3369, 0.4581 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

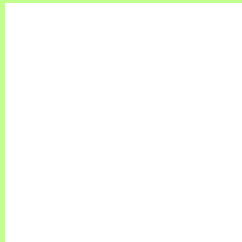
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.6199, 0.3369, 0.4581**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.6199, 0.3369, 0.4581.

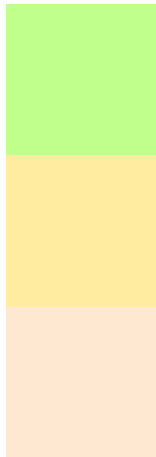


This preview shows how white text looks on a background with the Yxy color 84.6199, 0.3369, 0.4581.

# 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

84.6199, 0.3369, 0.4581

### Protanopia

83.7890, 0.3753, 0.4053

### Deuteranopia

83.6264, 0.3432, 0.3511



## Tritanopia

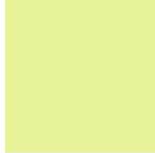
84.1391, 0.2888, 0.3134

# Trichromacy



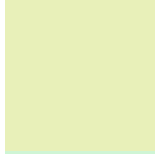
## Original Color

84.6199, 0.3369, 0.4581



## Protanomaly

83.5569, 0.3605, 0.4238



## Deuteranomaly

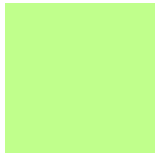
82.9788, 0.3417, 0.3873



## Tritanomaly

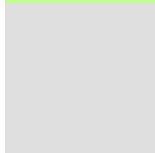
83.3743, 0.3073, 0.3639

# Monochromacy



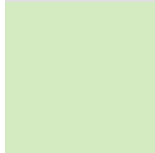
## Original Color

84.6199, 0.3369, 0.4581



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

77.2640, 0.3234, 0.3758

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.6199, 0.3369, 0.4581 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(192, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(192, 255, 140)  
}
```

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(192, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 255, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 84.6199, 0.3369, 0.4581 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(192, 255, 140) }
```

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

```
.border{ border-color:rgb(192, 255, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 255, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(192, 255,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.6199, 0.3369, 0.4581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 255, 140) }
```

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

```
.background{ background-color: rgb(192,  
255, 140) }
```

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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