

# Converting Colors

Yxy(84.1138, 0.3085, 0.4187)

Have a look what the booklet for  
Yxy(84.1138, 0.3085, 0.4187)  
contains.

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# Color

**Yxy(84.0414, 0.3085, 0.4193)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1FFB1
RGB	177, 255, 177
RGB Percent	69%, 100%, 69%
CMY	0.3057, 0.0000, 0.3059
CMYK	0.31, 0.00, 0.31, 0.00
HSL	120°, 100%, 85%
HSV	120°, 31%, 100%
XYZ	61.8335, 84.0414, 54.5578
YIQ	222.7860, -21.4500, -40.7940

# Conversions

## Conversions Part 2

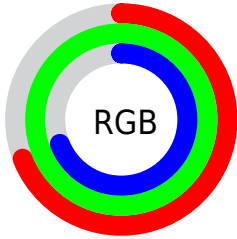
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">177, 255, 255</a>
Decimal	<a href="#">11665329</a>
CIELab	<a href="#">93.47, -38.60, 29.89</a>
CIELCh	<a href="#">93, 48.820, 142.254</a>
Yxy	<a href="#">84.0414, 0.3085, 0.4193</a>
Android (android.graphics.Color)	<a href="#">4289855409 (0xFFB1FFB1)</a>
YUV	<a href="#">222.7860, -22.5725, -40.1543</a>
Hunter-Lab	<a href="#">91.6741, -40.0328, 28.8868</a>

# Details

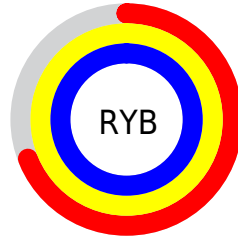
The Yxy color **84.0414, 0.3085, 0.4193** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **59.9183, 0.3163, 0.2527**, and the grayscale version is **73.8140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8956, 0.3123, 0.3511**, and **45.9810, 0.3060, 0.4417** is the 20% darker color. If you saturate the color by 10%, you get **80.4017, 0.3068, 0.4547**, and if you desaturate by 10%, it is **88.4372, 0.3100, 0.3863**.

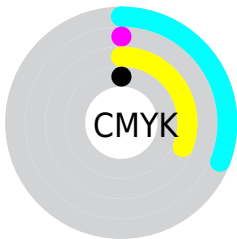
# Distribution



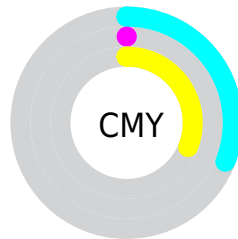
- Red (69%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.0414, 0.3085, 0.4193 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 84.0414, 0.3085, 0.4193 by changing the saturation by 10% instead.




 84.0414, 0.3085,  
0.4193

 84.0414, 0.3085,  
0.4193


508.4507, 0.3117,  
0.3764

 63.0496, 0.3075,  
0.4293


 139.0331, 0.3098,  
0.4042

 45.8814, 0.3060,  
0.4418

173.8018, 0.3103,  
0.3984

 32.1522, 0.3040,  
0.4578


213.9316, 0.3107,  
0.3934

 21.4778, 0.3008,  
0.4788


259.8068, 0.3109,  
0.3891

 13.4737, 0.2957,  
0.5077

311.8120, 0.3112,  
0.3853

 7.7555, 0.2868,  
0.5493

370.3314, 0.3114,

 3.9389, 0.2699,

0.3820

0.6147

435.7495, 0.3115,  
0.3790

■ 1.6395, 0.2246,  
0.7754

■ 0.3840, 0.0000,  
1.0000

■ 84.0414, 0.3085,  
0.4193

■ 84.0414, 0.3085,  
0.4193

■ 80.4017, 0.3068,  
0.4547

■ 88.4372, 0.3100,  
0.3863

■ 77.4657, 0.3051,  
0.4910

■ 93.6169, 0.3114,  
0.3566

■ 75.1909, 0.3035,  
0.5258

■ 99.6200, 0.3126,  
0.3304

■ 73.5263, 0.3021,  
0.5561

■ 99.9990, 0.3127,  
0.3290

■ 72.4129, 0.3010,  
0.5794

■ 71.7804, 0.3003,  
0.5938

■ 71.5197, 0.3000,  
0.6000

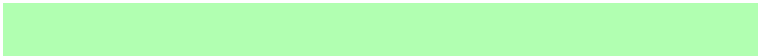
# Harmonies

## Analogous

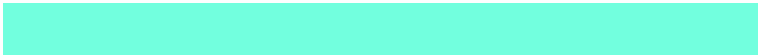
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0414, 0.3630, 0.4306



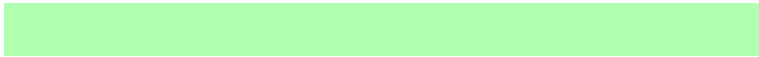
84.0414, 0.3085, 0.4193



84.0414, 0.2577, 0.3751

# Triad

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



84.0414, 0.3085, 0.4193



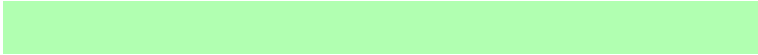
84.0414, 0.2239, 0.2457



84.0414, 0.4100, 0.3279

# Complementary

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



84.0414, 0.3085, 0.4193



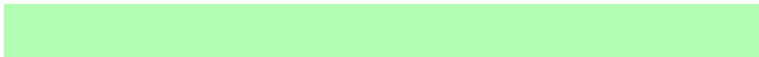
59.9183, 0.3163, 0.2527

# 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.



84.0414, 0.3660, 0.2873



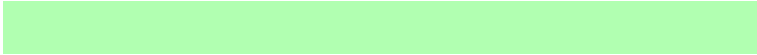
84.0414, 0.3085, 0.4193



84.0414, 0.2577, 0.2416

# Square

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



84.0414, 0.3085, 0.4193



84.0414, 0.2120, 0.2714



84.0414, 0.3089, 0.2567

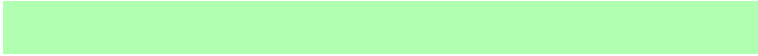


84.0414, 0.4247, 0.3716



# Rectangle

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



84.0414, 0.3085, 0.4193



84.0414, 0.2326, 0.3369



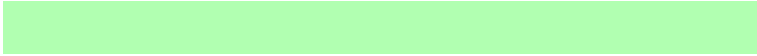
84.0414, 0.3089, 0.2567



84.0414, 0.3980, 0.3137

# Sweetspot

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



84.0450, 0.3085, 0.4193



94.5149, 0.3116, 0.3522



95.1265, 0.3594, 0.4045



20.0539, 0.3114, 0.3562



0.0000, 0.0000, 0.0000

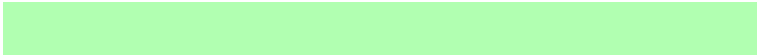


21.4041, 0.3127, 0.3290

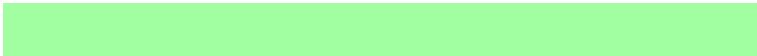


# Same Dimension

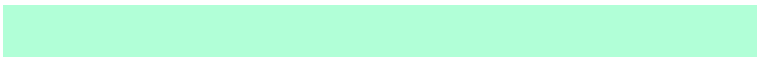
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0450, 0.3085, 0.4193



81.6260, 0.3074, 0.4418



85.7573, 0.2887, 0.3744



20.1686, 0.3116, 0.3536



37.3713, 0.3000, 0.6000



3.6388, 0.3000, 0.6000



# Inverse Universe

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



59.9183, 0.3163, 0.2527



53.8395, 0.3170, 0.2372



57.7305, 0.3466, 0.2878



18.3000, 0.3138, 0.3056



14.8703, 0.3208, 0.1541

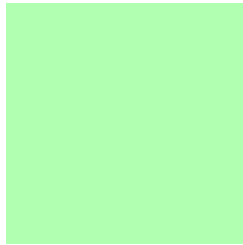


1.4480, 0.3208, 0.1541



# Previews

## White Background



This preview shows how the Yxy color 84.0414, 0.3085, 0.4193 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 84.0414, 0.3085, 0.4193 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

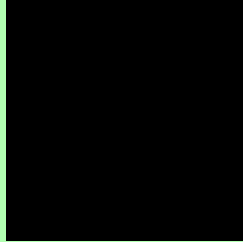
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

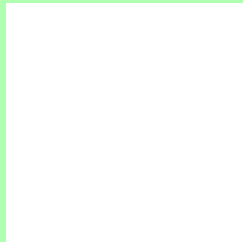
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.0414, 0.3085, 0.4193**

## Background



This preview shows how black text looks on a background with the Yxy color 84.0414, 0.3085, 0.4193.

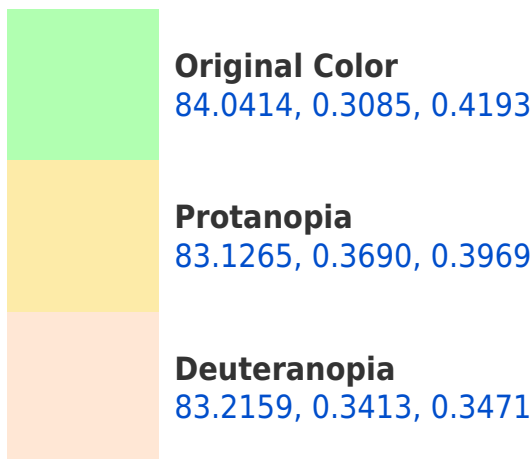


This preview shows how white text looks on a background with the Yxy color 84.0414, 0.3085, 0.4193.

# 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

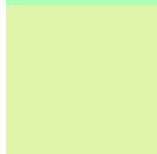
83.3960, 0.2835, 0.3143

# Trichromacy



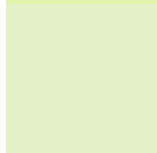
## Original Color

84.0414, 0.3085, 0.4193



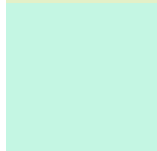
## Protanomaly

82.4521, 0.3450, 0.4055



## Deuteranomaly

82.8212, 0.3288, 0.3716



## Tritanomaly

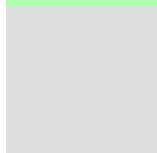
83.1933, 0.2926, 0.3498

# Monochromacy



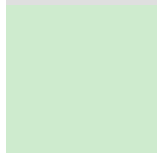
## Original Color

84.0414, 0.3085, 0.4193



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

76.9947, 0.3112, 0.3614

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.0414, 0.3085, 0.4193 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(177, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 177)  
}
```

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(177, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 84.0414, 0.3085, 0.4193 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(177, 255, 177) }
```

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

```
.border{ border-color:rgb(177, 255, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 255, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 177);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.0414, 0.3085, 0.4193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 177) }
```

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

```
.background{ background-color: rgb(177,  
255, 177) }
```

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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