

# Converting Colors

Yxy(84.4866, 0.2999, 0.4019)

Have a look what the booklet for  
Yxy(84.4866, 0.2999, 0.4019)  
contains.

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# Color

**Yxy(84.5559, 0.3000, 0.4015)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0FFC0
RGB	176, 255, 192
RGB Percent	69%, 100%, 75%
CMY	0.3098, 0.0000, 0.2470
CMYK	0.31, 0.00, 0.25, 0.00
HSL	132°, 100%, 85%
HSV	132°, 31%, 100%
XYZ	63.1800, 84.5559, 62.8641
YIQ	224.1970, -26.8610, -36.3410

# Conversions

## Conversions Part 2

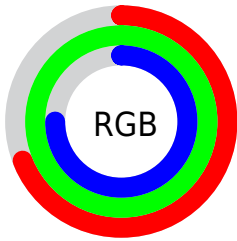
Format	Color
<a href="#">RYB</a>	<a href="#">176, 242, 255</a>
Decimal	<a href="#">11599808</a>
CIELab	<a href="#">93.69, -36.44, 22.59</a>
CIElCh	<a href="#">94, 42.874, 148.210</a>
Yxy	<a href="#">84.5559, 0.3000, 0.4015</a>
Android (android.graphics.Color)	<a href="#">4289789888 (0xFFB0FFC0)</a>
YUV	<a href="#">224.1970, -15.8731, -42.2688</a>
Hunter-Lab	<a href="#">91.9543, -38.2761, 23.8347</a>

# Details

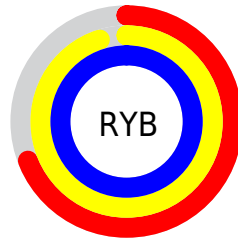
The Yxy color **84.5559, 0.3000, 0.4015** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **58.5441, 0.3288, 0.2661**, and the grayscale version is **74.8205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6832, 0.3027, 0.3349**, and **46.2881, 0.2964, 0.4200** is the 20% darker color. If you saturate the color by 10%, you get **81.0181, 0.2964, 0.4300**, and if you desaturate by 10%, it is **88.7783, 0.3040, 0.3753**.

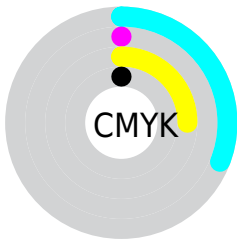
# Distribution



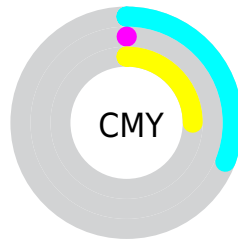
- Red (69%)
- Green (100%)
- Blue (75%)



- Red (69%)
- Yellow (95%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.5559, 0.3000, 0.4015 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 84.5559, 0.3000, 0.4015 by changing the saturation by 10% instead.





 84.5559, 0.3000,  
0.4015

 84.5559, 0.3000,  
0.4015


510.1574, 0.3066,  
0.3672

 63.4745, 0.2983,  
0.4095


 139.7525, 0.3024,  
0.3895

 46.2252, 0.2962,  
0.4194

174.6366, 0.3033,  
0.3848

 32.4236, 0.2934,  
0.4321


214.8902, 0.3041,  
0.3809

 21.6852, 0.2894,  
0.4489

260.8980, 0.3047,  
0.3774

 13.6258, 0.2837,  
0.4719

313.0442, 0.3053,  
0.3744

 7.8609, 0.2746,  
0.5056


371.7132, 0.3058,


 4.0060, 0.2587,


0.3717


0.5584


437.2895, 0.3062,  
0.3694

 1.6769, 0.2397,  
0.7293


 0.4087, 0.0000,  
1.0000


 84.5559, 0.3000,  
0.4015


 84.5559, 0.3000,  
0.4015


 81.0181, 0.2964,  
0.4300


 88.7783, 0.3040,  
0.3753

 78.1258, 0.2934,  
0.4600

 93.7163, 0.3082,  
0.3518

 75.8401, 0.2914,  
0.4904

 99.4022, 0.3123,  
0.3309

 74.1166, 0.2905,  
0.5197

100.0000, 0.3127,  
0.3290

■ 72.9047, 0.2910,  
0.5459

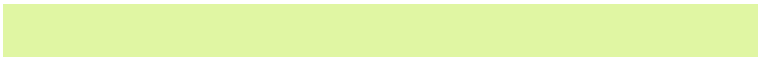
■ 72.1445, 0.2928,  
0.5675

■ 71.7649, 0.2950,  
0.5821

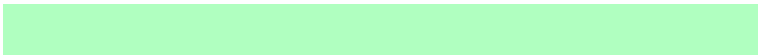
# Harmonies

## Analogous

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



84.5559, 0.3485, 0.4182



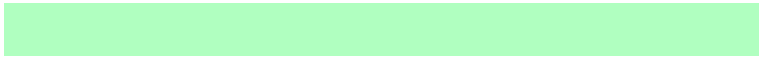
84.5559, 0.3000, 0.4015



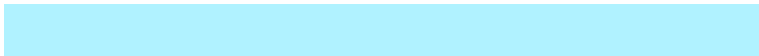
84.5559, 0.2570, 0.3596

# Triad

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



84.5559, 0.3000, 0.4015



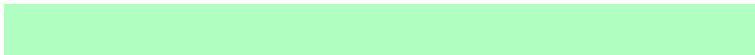
84.5559, 0.2385, 0.2531



84.5559, 0.4028, 0.3365

# Complementary

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



84.5559, 0.3000, 0.4015



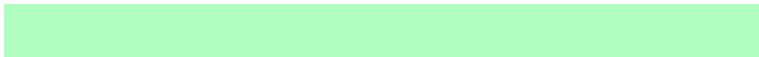
58.5441, 0.3288, 0.2661

# 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.



84.5559, 0.3686, 0.2989



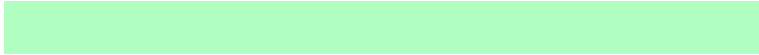
84.5559, 0.3000, 0.4015



84.5559, 0.2723, 0.2526

# Square

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



84.5559, 0.3000, 0.4015



84.5559, 0.2237, 0.2726



84.5559, 0.3197, 0.2692

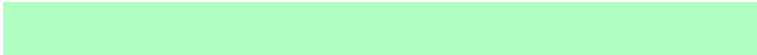


84.5559, 0.4101, 0.3751



# Rectangle

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



84.5559, 0.3000, 0.4015



84.5559, 0.2369, 0.3265



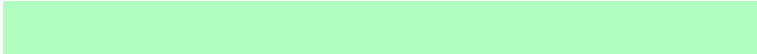
84.5559, 0.3197, 0.2692



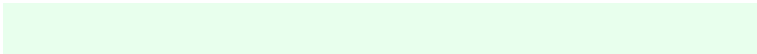
84.5559, 0.3940, 0.3235

# Sweetspot

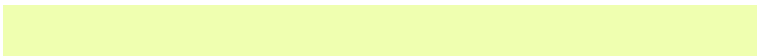
The Sweet Spot groups the original color and five complimentary colors.



84.5568, 0.3000, 0.4015



94.7811, 0.3090, 0.3474



93.0405, 0.3489, 0.4096



20.1189, 0.3084, 0.3506



0.0000, 0.0000, 0.0000

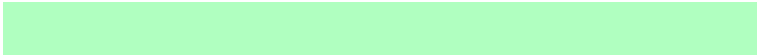


21.4041, 0.3127, 0.3290

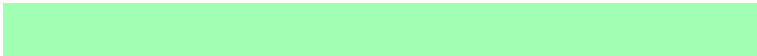


# Same Dimension

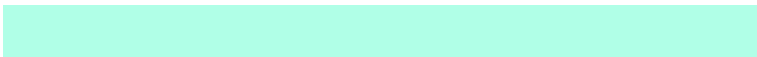
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5568, 0.3000, 0.4015



82.3465, 0.2978, 0.4184



86.5372, 0.2797, 0.3552



20.2283, 0.3088, 0.3485



37.5156, 0.2944, 0.5799



3.6675, 0.2890, 0.5603



# Inverse Universe

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



58.5441, 0.3288, 0.2661



52.6770, 0.3327, 0.2538



56.4686, 0.3621, 0.3045



18.2336, 0.3169, 0.3102



13.3923, 0.3801, 0.1867

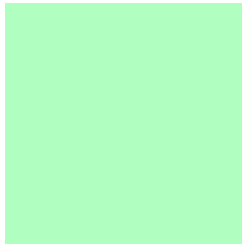


1.3192, 0.3720, 0.1823



# Previews

## White Background



This preview shows how the Yxy color 84.5559, 0.3000, 0.4015 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

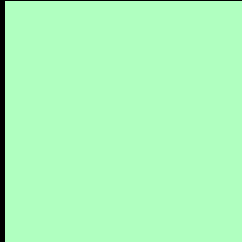
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.5559, 0.3000, 0.4015 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 84.5559, 0.3000, 0.4015**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.5559, 0.3000, 0.4015.

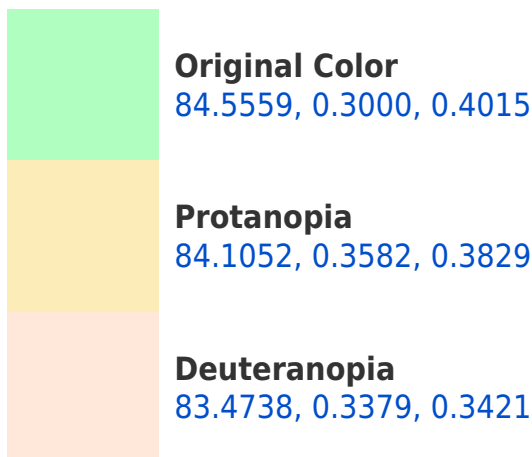


This preview shows how white text looks on a background with the Yxy color 84.5559, 0.3000, 0.4015.

# 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

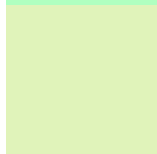
84.1342, 0.2842, 0.3153

# Trichromacy



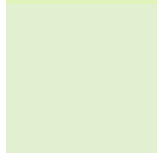
## Original Color

84.5559, 0.3000, 0.4015



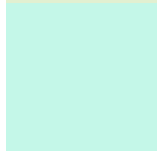
## Protanomaly

83.4936, 0.3349, 0.3903



## Deuteranomaly

83.0924, 0.3225, 0.3619



## Tritanomaly

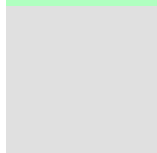
84.0835, 0.2899, 0.3453

# Monochromacy



## Original Color

84.5559, 0.3000, 0.4015



## Achromatopsia

74.5404, 0.3127, 0.3290



## Achromatomaly

77.4355, 0.3082, 0.3545

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.5559, 0.3000, 0.4015 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(176, 255, 192)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 192)  
}
```

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(176, 255, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 84.5559, 0.3000, 0.4015 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(176, 255, 192) }
```

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

```
.border{ border-color:rgb(176, 255, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 255, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 255, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 255, 192); box-shadow:4px 4px 4px 4px rgb(176, 255, 192) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.5559, 0.3000, 0.4015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 192) }
```

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

```
.background{ background-color: rgb(176,  
255, 192) }
```

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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