

# Converting Colors

$Yxy(85.2716, 0.2997, 0.4045)$

Have a look what the booklet for  
Yxy(85.2716, 0.2997, 0.4045)  
contains.

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# Color

**Yxy(84.2803, 0.2994, 0.4030)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEFFBF
RGB	174, 255, 191
RGB Percent	68%, 100%, 75%
CMY	0.3177, 0.0000, 0.2511
CMYK	0.32, 0.00, 0.25, 0.00
HSL	133°, 100%, 84%
HSV	133°, 32%, 100%
XYZ	62.6142, 84.2803, 62.2378
YIQ	223.4850, -27.7320, -37.0760

# Conversions

## Conversions Part 2

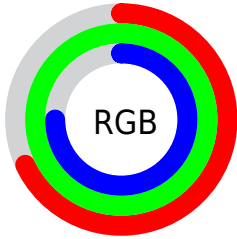
Format	Color
<b>RYB</b>	174, 241, 255
Decimal	11468735
CIELab	93.57, -37.23, 22.94
CIELCh	94, 43.731, 148.368
Yxy	84.2803, 0.2994, 0.4030
Android (android.graphics.Color)	4289658815 (0xFFAEFFBF)
YUV	223.4850, -16.0151, -43.3983
Hunter-Lab	91.8043, -38.9134, 24.0680

# Details

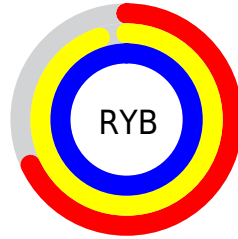
The Yxy color **84.2803, 0.2994, 0.4030** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.7016, 0.3298, 0.2650**, and the grayscale version is **74.2797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2862, 0.3020, 0.3360**, and **46.1162, 0.2957, 0.4219** is the 20% darker color. If you saturate the color by 10%, you get **80.7946, 0.2958, 0.4314**, and if you desaturate by 10%, it is **88.4383, 0.3035, 0.3768**.

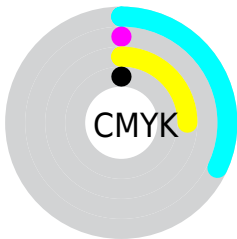
# Distribution



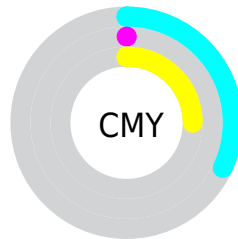
- Red (68%)
- Green (100%)
- Blue (75%)



- Red (68%)
- Yellow (95%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (32%)
- Magenta (0%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.2803, 0.2994, 0.4030 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 84.2803, 0.2994, 0.4030 by changing the saturation by 10% instead.





 84.2803, 0.2994,  
0.4030

 84.2803, 0.2994,  
0.4030


509.2436, 0.3063,  
0.3680

 63.2469, 0.2977,  
0.4112

 139.3672, 0.3019,  
0.3907

 46.0410, 0.2954,  
0.4213


174.1895, 0.3029,  
0.3860

 32.2781, 0.2925,  
0.4344


214.3768, 0.3037,  
0.3819

 21.5740, 0.2883,  
0.4515

260.3137, 0.3043,  
0.3784

 13.5442, 0.2823,  
0.4752

312.3844, 0.3049,  
0.3753

 7.8044, 0.2728,  
0.5098

370.9733, 0.3054,

 3.9700, 0.2561,

0.3726

0.5642

436.4649, 0.3059,  
0.3701

1.6568, 0.2351,  
0.7502

0.3955, 0.0000,  
1.0000

84.2803, 0.2994,  
0.4030

84.2803, 0.2994,  
0.4030

80.7946, 0.2958,  
0.4314

88.4383, 0.3035,  
0.3768

77.9533, 0.2928,  
0.4612

93.3108, 0.3077,  
0.3533

75.7135, 0.2908,  
0.4914

98.9266, 0.3120,  
0.3324

74.0306, 0.2901,  
0.5204

100.0000, 0.3127,  
0.3290

■ 72.8537, 0.2907,  
0.5463

■ 72.1219, 0.2926,  
0.5676

■ 71.7812, 0.2947,  
0.5810

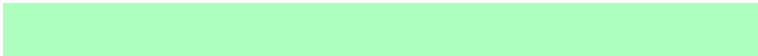
# Harmonies

## Analogous

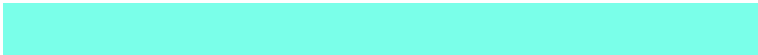
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2803, 0.3489, 0.4201



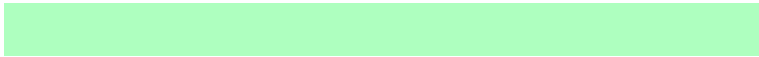
84.2803, 0.2994, 0.4030



84.2803, 0.2557, 0.3600

# Triad

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



84.2803, 0.2994, 0.4030



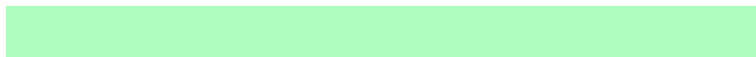
84.2803, 0.2372, 0.2515



84.2803, 0.4048, 0.3367

# Complementary

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



84.2803, 0.2994, 0.4030



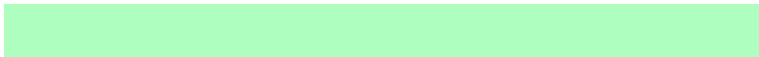
57.7016, 0.3298, 0.2650

# 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.



84.2803, 0.3700, 0.2985



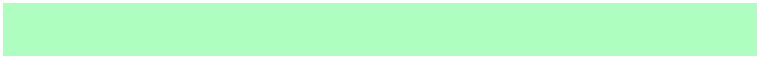
84.2803, 0.2994, 0.4030



84.2803, 0.2717, 0.2512

# Square

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



84.2803, 0.2994, 0.4030



84.2803, 0.2221, 0.2713



84.2803, 0.3201, 0.2682

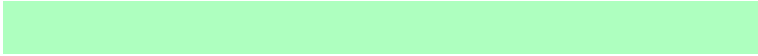


84.2803, 0.4120, 0.3760



# Rectangle

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



84.2803, 0.2994, 0.4030



84.2803, 0.2352, 0.3261



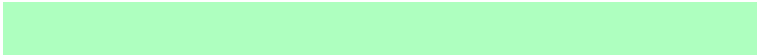
84.2803, 0.3201, 0.2682



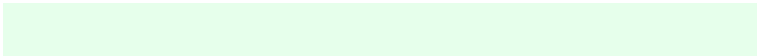
84.2803, 0.3959, 0.3235

# Sweetspot

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



84.2774, 0.2994, 0.4030



94.2496, 0.3085, 0.3494



92.8910, 0.3498, 0.4117



20.0133, 0.3079, 0.3525



0.0000, 0.0000, 0.0000

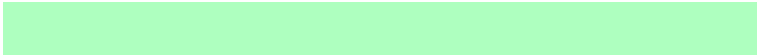


21.4041, 0.3127, 0.3290

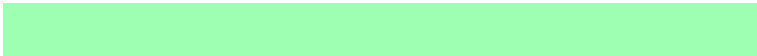


# Same Dimension

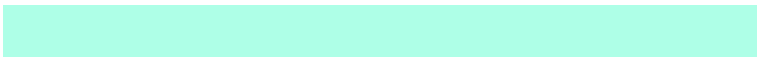
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2774, 0.2994, 0.4030



82.0301, 0.2971, 0.4204



86.2696, 0.2789, 0.3560



20.2304, 0.3087, 0.3483



37.5245, 0.2941, 0.5787



3.6687, 0.2886, 0.5589



# Inverse Universe

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



57.7016, 0.3298, 0.2650



51.7281, 0.3340, 0.2525



55.6180, 0.3638, 0.3038



18.2313, 0.3170, 0.3104



13.3485, 0.3824, 0.1880

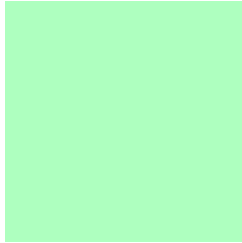


1.3153, 0.3740, 0.1834



# Previews

## White Background



This preview shows how the Yxy color 84.2803, 0.2994, 0.4030 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

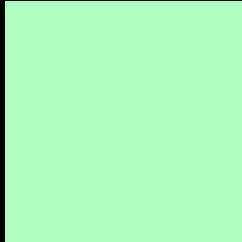
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.2803, 0.2994, 0.4030 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

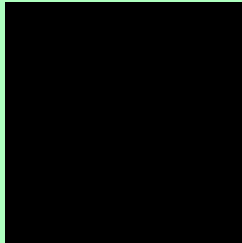
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.2803, 0.2994, 0.4030**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.2803, 0.2994, 0.4030.

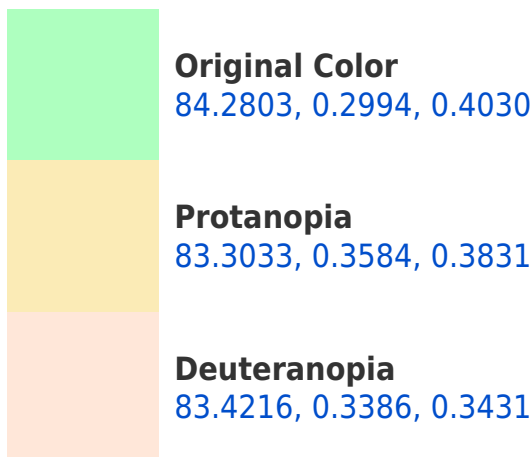


This preview shows how white text looks on a background with the Yxy color 84.2803, 0.2994, 0.4030.

# 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

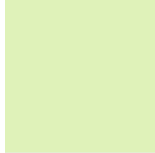
83.9897, 0.2836, 0.3153

# Trichromacy



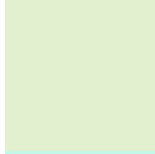
## Original Color

84.2803, 0.2994, 0.4030



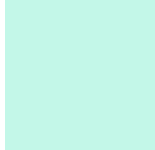
## Protanomaly

82.6950, 0.3350, 0.3905



## Deuteranomaly

83.0430, 0.3231, 0.3630



## Tritanomaly

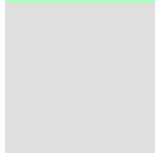
83.9498, 0.2893, 0.3453

# Monochromacy



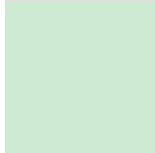
## Original Color

84.2803, 0.2994, 0.4030



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

77.0989, 0.3075, 0.3557

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.2803, 0.2994, 0.4030 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(174, 255, 191)` looks like.

```
.text, #text, p{  
    color:rgb(174, 255, 191)  
}
```

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(174, 255, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 84.2803, 0.2994, 0.4030 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(174, 255, 191) }
```

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

```
.border{ border-color:rgb(174, 255, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 255, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 255, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 255, 191); box-shadow:4px 4px 4px 4px rgb(174, 255, 191) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.2803, 0.2994, 0.4030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 255, 191) }
```

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

```
.background{ background-color: rgb(174,  
255, 191) }
```

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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