

# Converting Colors

$Yxy(84.9672, 0.2953, 0.3907)$

Have a look what the booklet for  
Yxy(84.9672, 0.2953, 0.3907)  
contains.

<b>Yxy(84.9672, 0.2953, 0.3907)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(84.9672, 0.2953, 0.3907)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0FFC9
RGB	176, 255, 201
RGB Percent	69%, 100%, 79%
CMY	0.3095, 0.0000, 0.2117
CMYK	0.31, 0.00, 0.21, 0.00
HSL	139°, 100%, 85%
HSV	139°, 31%, 100%
XYZ	64.2202, 84.9672, 68.2869
YIQ	225.2230, -29.7500, -33.5420

# Conversions

## Conversions Part 2

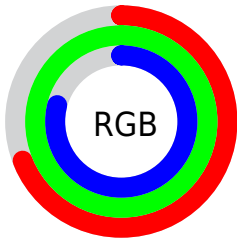
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 236, 255
Decimal	11599817
CIELab	93.87, -34.83, 18.24
CIELCh	94, 39.311, 152.363
Yxy	84.9672, 0.2953, 0.3907
Android (android.graphics.Color)	4289789897 (0xFFB0FFC9)
YUV	225.2230, -11.9419, -43.1686
Hunter-Lab	92.1777, -36.9500, 20.6012

# Details

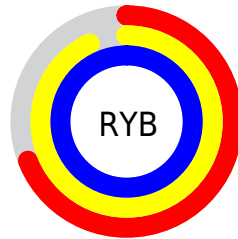
The Yxy color **84.9672, 0.2953, 0.3907** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **58.0507, 0.3361, 0.2745**, and the grayscale version is **75.5802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **46.5597, 0.2906, 0.4058** is the 20% darker color. If you saturate the color by 10%, you get **81.4961, 0.2905, 0.4150**, and if you desaturate by 10%, it is **89.0969, 0.3007, 0.3684**.

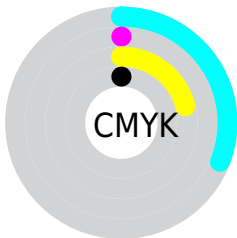
# Distribution



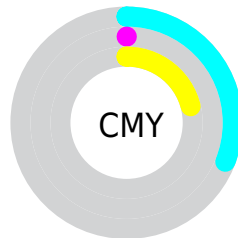
- Red (69%)
- Green (100%)
- Blue (79%)



- Red (69%)
- Yellow (93%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.9672, 0.2953, 0.3907 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 84.9672, 0.2953, 0.3907 by changing the saturation by 10% instead.




 84.9672, 0.2953,  
0.3907

 84.9672, 0.2953,  
0.3907


511.5195, 0.3038,  
0.3617

 63.8143, 0.2933,  
0.3974


 140.3273, 0.2983,  
0.3806

 46.5003, 0.2907,  
0.4058

175.3034, 0.2995,  
0.3766

 32.6408, 0.2874,  
0.4165


215.6559, 0.3004,  
0.3733

 21.8514, 0.2830,  
0.4305

261.7693, 0.3013,  
0.3703

 13.7477, 0.2768,  
0.4498

314.0279, 0.3020,  
0.3678

 7.9454, 0.2674,  
0.4780

372.8163, 0.3027,

 4.0601, 0.2518,

0.3655

0.5226

438.5187, 0.3032,  
0.3635

■ 1.7072, 0.2245,  
0.6292

■ 0.4283, 0.0000,  
1.0000

■ 84.9672, 0.2953,  
0.3907

■ 84.9672, 0.2953,  
0.3907

■ 81.4961, 0.2905,  
0.4150

■ 89.0969, 0.3007,  
0.3684

■ 78.6385, 0.2866,  
0.4408

■ 93.9063, 0.3064,  
0.3484

■ 76.3603, 0.2839,  
0.4675

■ 99.4288, 0.3122,  
0.3306

■ 74.6195, 0.2827,  
0.4940

■ 99.9946, 0.3127,  
0.3290

■ 73.3683, 0.2833,  
0.5191

■ 72.5496, 0.2855,  
0.5416

■ 72.1031, 0.2886,  
0.5589

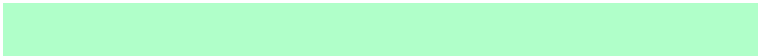
# Harmonies

## Analogous

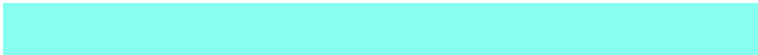
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9672, 0.3399, 0.4098



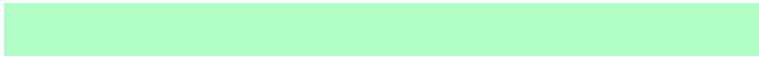
84.9672, 0.2953, 0.3907



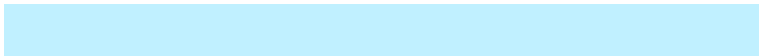
84.9672, 0.2572, 0.3509

# Triad

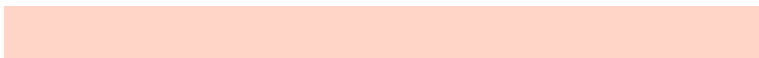
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9672, 0.2953, 0.3907



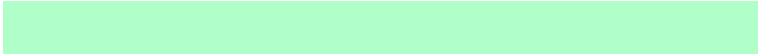
84.9672, 0.2477, 0.2580



84.9672, 0.3976, 0.3414

# Complementary

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



84.9672, 0.2953, 0.3907



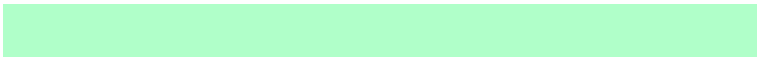
58.0507, 0.3361, 0.2745

# 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.



84.9672, 0.3693, 0.3060



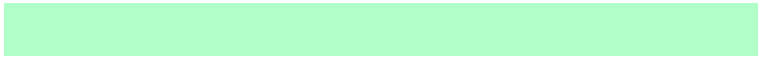
84.9672, 0.2953, 0.3907



84.9672, 0.2812, 0.2597

# Square

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



84.9672, 0.2953, 0.3907



84.9672, 0.2314, 0.2739



84.9672, 0.3257, 0.2770

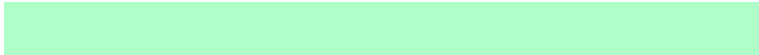


84.9672, 0.4007, 0.3764



# Rectangle

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



84.9672, 0.2953, 0.3907



84.9672, 0.2401, 0.3210



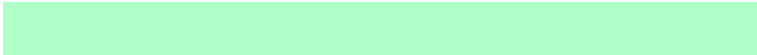
84.9672, 0.3257, 0.2770



84.9672, 0.3907, 0.3292

# Sweetspot

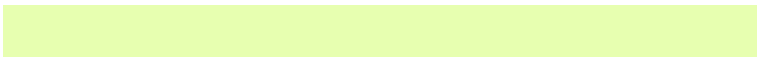
The Sweet Spot groups the original color and five complimentary colors.



84.9707, 0.2953, 0.3907



94.9343, 0.3075, 0.3447



91.6932, 0.3436, 0.4110



20.1564, 0.3067, 0.3475



0.0000, 0.0000, 0.0000

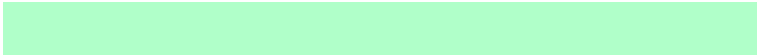


21.4041, 0.3127, 0.3290

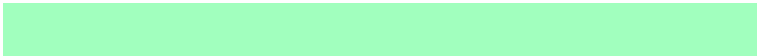


# Same Dimension

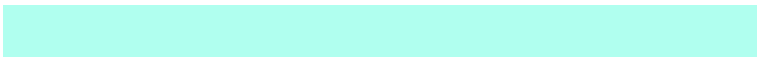
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9707, 0.2953, 0.3907



82.7996, 0.2923, 0.4052



86.9968, 0.2758, 0.3463



20.2628, 0.3072, 0.3457



37.7020, 0.2878, 0.5560



3.6897, 0.2815, 0.5335



# Inverse Universe

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



58.0507, 0.3361, 0.2745



52.0729, 0.3420, 0.2637



56.1348, 0.3691, 0.3127



18.1969, 0.3187, 0.3129



12.7415, 0.4210, 0.2093

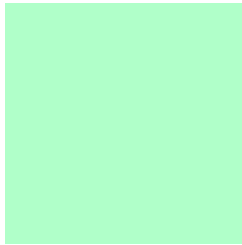


1.2604, 0.4067, 0.2014



# Previews

## White Background



This preview shows how the Yxy color 84.9672, 0.2953, 0.3907 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 84.9672, 0.2953, 0.3907 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

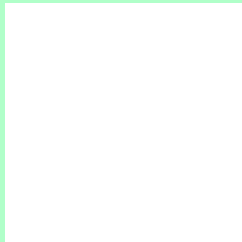
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.9672, 0.2953, 0.3907**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.9672, 0.2953, 0.3907.

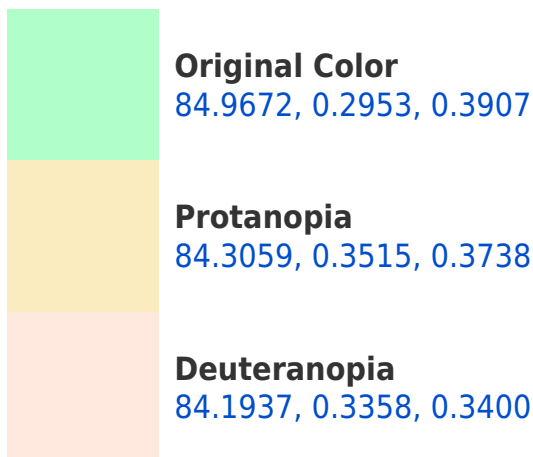


This preview shows how white text looks on a background with the Yxy color 84.9672, 0.2953, 0.3907.

# 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

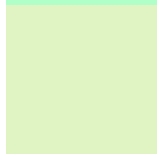
84.2796, 0.2847, 0.3154

# Trichromacy



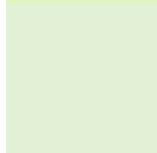
## Original Color

84.9672, 0.2953, 0.3907



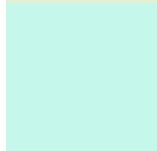
## Protanomaly

83.8886, 0.3294, 0.3804



## Deuteranomaly

83.3440, 0.3194, 0.3565



## Tritanomaly

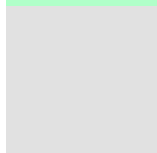
84.3900, 0.2888, 0.3419

# Monochromacy



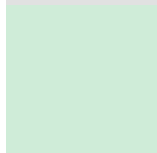
## Original Color

84.9672, 0.2953, 0.3907



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

78.2142, 0.3057, 0.3510

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.9672, 0.2953, 0.3907 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 84.9672, 0.2953, 0.3907 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, 201) }
```

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

```
.border{ border-color:rgb(176, 255, 201) }
```

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, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.9672, 0.2953, 0.3907 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, 201) }
```

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

```
.background{ background-color: rgb(176,  
255, 201) }
```

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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