

# Converting Colors

$Yxy(85.2877, 0.3014, 0.3975)$

Have a look what the booklet for  
Yxy(85.2877, 0.3014, 0.3975)  
contains.

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**Color**

**Yxy(85.2839, 0.3013, 0.3973)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5FFC3
RGB	181, 255, 195
RGB Percent	71%, 100%, 76%
CMY	0.2900, 0.0000, 0.2352
CMYK	0.29, 0.00, 0.24, 0.00
HSL	131°, 100%, 85%
HSV	131°, 29%, 100%
XYZ	64.6767, 85.2839, 64.6981
YIQ	226.0340, -24.8440, -34.3480

# Conversions

## Conversions Part 2

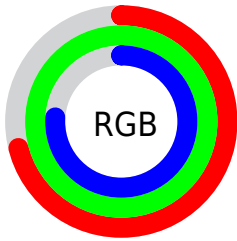
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 243, 255
Decimal	11927491
CIELab	94.01, -34.38, 21.52
CIELCh	94, 40.559, 147.949
Yxy	85.2839, 0.3013, 0.3973
Android (android.graphics.Color)	4290117571 (0xFFB5FFC3)
YUV	226.0340, -15.2998, -39.4948
Hunter-Lab	92.3493, -36.5991, 23.1071

# Details

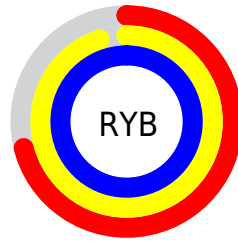
The Yxy color **85.2839, 0.3013, 0.3973** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **60.6774, 0.3268, 0.2692**, and the grayscale version is **76.2154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7254, 0.3040, 0.3319**, and **46.7469, 0.2979, 0.4144** is the 20% darker color. If you saturate the color by 10%, you get **81.6092, 0.2977, 0.4259**, and if you desaturate by 10%, it is **89.6595, 0.3052, 0.3712**.

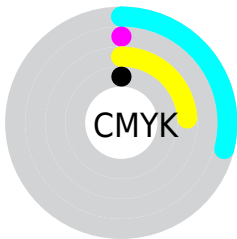
# Distribution



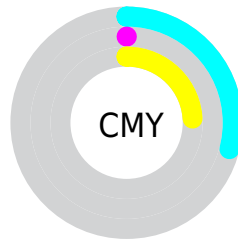
- Red (71%)
- Green (100%)
- Blue (76%)



- Red (71%)
- Yellow (95%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (29%)
- Magenta (0%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.2839, 0.3013, 0.3973 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 85.2839, 0.3013, 0.3973 by changing the saturation by 10% instead.




 85.2839, 0.3013,  
0.3973

 85.2839, 0.3013,  
0.3973


512.5670, 0.3072,  
0.3651

 64.0760, 0.2998,  
0.4048


 140.7698, 0.3035,  
0.3860

 46.7122, 0.2979,  
0.4140


175.8165, 0.3043,  
0.3817

 32.8082, 0.2954,  
0.4259


216.2450, 0.3049,  
0.3780

 21.9796, 0.2919,  
0.4414

262.4395, 0.3055,  
0.3747

 13.8419, 0.2868,  
0.4629

314.7846, 0.3060,  
0.3719

 8.0108, 0.2788,  
0.4940

373.6647, 0.3064,

 4.1018, 0.2648,

0.3694

0.5428

439.4640, 0.3068,  
0.3671

1.7307, 0.2490,  
0.6791

0.4434, 0.0000,  
1.0000

85.2839, 0.3013,  
0.3973

85.2839, 0.3013,  
0.3973

81.6092, 0.2977,  
0.4259

89.6595, 0.3052,  
0.3712

78.5884, 0.2947,  
0.4561

94.7586, 0.3092,  
0.3477

76.1859, 0.2926,  
0.4870

99.9966, 0.3127,  
0.3290

74.3579, 0.2915,  
0.5169

■ 73.0549, 0.2917,  
0.5439

■ 72.2186, 0.2931,  
0.5663

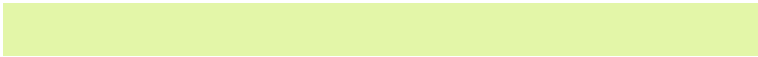
■ 71.7658, 0.2954,  
0.5829

■ 71.7318, 0.2956,  
0.5842

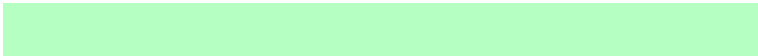
# Harmonies

## Analogous

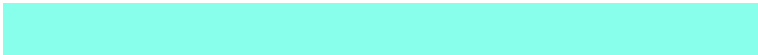
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2839, 0.3471, 0.4129



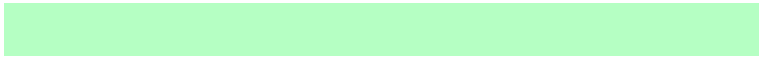
85.2839, 0.3013, 0.3973



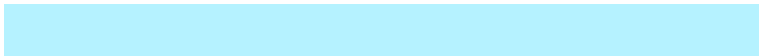
85.2839, 0.2605, 0.3583

# Triad

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



85.2839, 0.3013, 0.3973



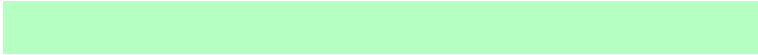
85.2839, 0.2422, 0.2572



85.2839, 0.3974, 0.3360

# Complementary

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



85.2839, 0.3013, 0.3973



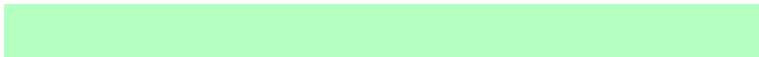
60.6774, 0.3268, 0.2692

# 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.



85.2839, 0.3651, 0.3003



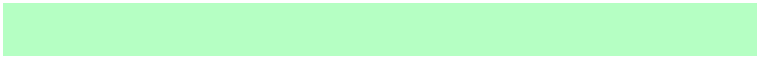
85.2839, 0.3013, 0.3973



85.2839, 0.2743, 0.2565

# Square

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



85.2839, 0.3013, 0.3973



85.2839, 0.2283, 0.2761



85.2839, 0.3190, 0.2721

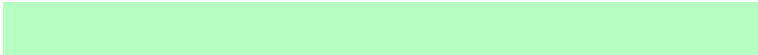


85.2839, 0.4046, 0.3727



# Rectangle

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



85.2839, 0.3013, 0.3973



85.2839, 0.2411, 0.3273



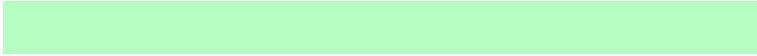
85.2839, 0.3190, 0.2721



85.2839, 0.3890, 0.3237

# Sweetspot

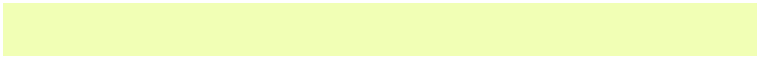
The Sweet Spot groups the original color and five complimentary colors.



85.2875, 0.3013, 0.3973



94.7630, 0.3092, 0.3477



93.6326, 0.3475, 0.4041



20.1144, 0.3086, 0.3510



0.0000, 0.0000, 0.0000

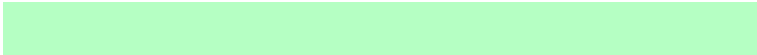


21.4041, 0.3127, 0.3290

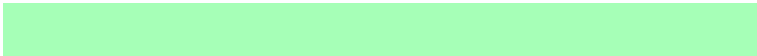


# Same Dimension

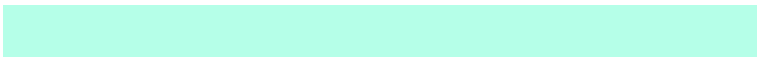
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.2875, 0.3013, 0.3973



83.0033, 0.2991, 0.4142



87.1483, 0.2822, 0.3547



20.2243, 0.3090, 0.3488



37.4991, 0.2950, 0.5821



3.6653, 0.2898, 0.5631



# Inverse Universe

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



60.6774, 0.3268, 0.2692



54.6220, 0.3304, 0.2568



58.7077, 0.3569, 0.3049



18.2380, 0.3167, 0.3099



13.4783, 0.3755, 0.1842

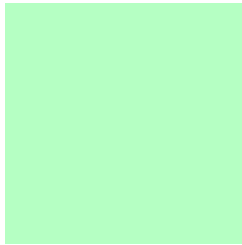


1.3268, 0.3681, 0.1802



# Previews

## White Background



This preview shows how the Yxy color 85.2839, 0.3013, 0.3973 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

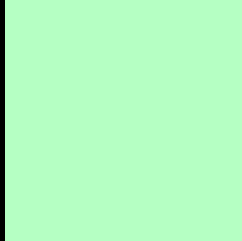
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.2839, 0.3013, 0.3973 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

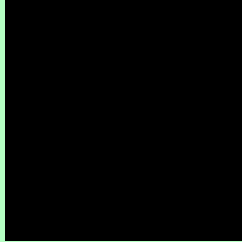
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

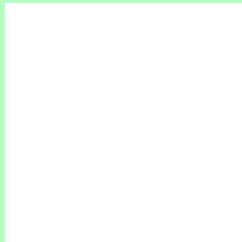
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.2839, 0.3013, 0.3973**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.2839, 0.3013, 0.3973.

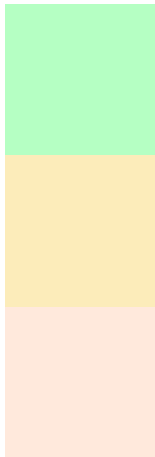


This preview shows how white text looks on a background with the Yxy color 85.2839, 0.3013, 0.3973.

# 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

85.2839, 0.3013, 0.3973

### Protanopia

84.2315, 0.3562, 0.3798

### Deuteranopia

84.7051, 0.3363, 0.3420



## Tritanopia

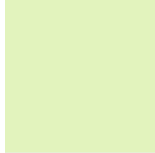
84.7213, 0.2865, 0.3154

# Trichromacy



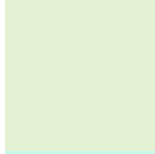
## Original Color

85.2839, 0.3013, 0.3973



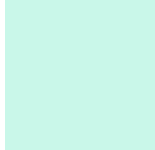
## Protanomaly

83.9441, 0.3345, 0.3867



## Deuteranomaly

84.1077, 0.3225, 0.3606



## Tritanomaly

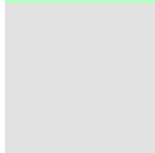
84.8222, 0.2923, 0.3440

# Monochromacy



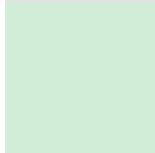
## Original Color

85.2839, 0.3013, 0.3973



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

79.1763, 0.3083, 0.3531

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.2839, 0.3013, 0.3973 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(181, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 195)  
}
```

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(181, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 85.2839, 0.3013, 0.3973 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(181, 255, 195) }
```

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

```
.border{ border-color:rgb(181, 255, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 255, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 255, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 255, 195); box-shadow:4px 4px 4px 4px rgb(181, 255, 195) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.2839, 0.3013, 0.3973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 195) }
```

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

```
.background{ background-color: rgb(181,  
255, 195) }
```

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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