

# Converting Colors

Yxy(85.1382, 0.3126, 0.4166)

Have a look what the booklet for  
Yxy(85.1382, 0.3126, 0.4166)  
contains.

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# Color

**Yxy(85.0486, 0.3127, 0.4169)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9FFB2
RGB	185, 255, 178
RGB Percent	73%, 100%, 70%
CMY	0.2747, 0.0000, 0.3020
CMYK	0.27, 0.00, 0.30, 0.00
HSL	115°, 100%, 85%
HSV	115°, 30%, 100%
XYZ	63.7916, 85.0486, 55.1622
YIQ	225.2920, -17.0030, -38.7870

# Conversions

## Conversions Part 2

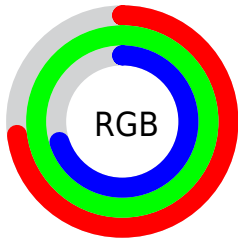
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 255, 248
Decimal	12189618
CIELab	93.90, -35.96, 30.05
CIELCh	94, 46.861, 140.111
Yxy	85.0486, 0.3127, 0.4169
Android (android.graphics.Color)	4290379698 (0xFFB9FFB2)
YUV	225.2920, -23.3150, -35.3361
Hunter-Lab	92.2218, -37.9163, 29.0911

# Details

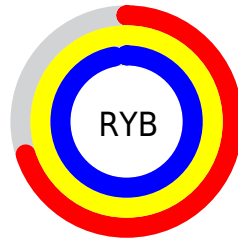
The Yxy color **85.0486, 0.3127, 0.4169** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **59.0167, 0.3108, 0.2523**, and the grayscale version is **75.6813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3378, 0.3167, 0.3498**, and **46.6147, 0.3112, 0.4382** is the 20% darker color. If you saturate the color by 10%, you get **81.4580, 0.3121, 0.4514**, and if you desaturate by 10%, it is **89.2848, 0.3130, 0.3846**.

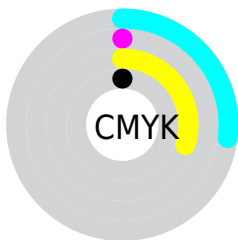
# Distribution



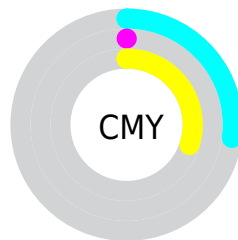
- Red (73%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (97%)



- Cyan (27%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.0486, 0.3127, 0.4169 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 85.0486, 0.3127, 0.4169 by changing the saturation by 10% instead.




 85.0486, 0.3127,  
0.4169

 85.0486, 0.3127,  
0.4169


511.7889, 0.3139,  
0.3753

 63.8815, 0.3121,  
0.4266


 140.4411, 0.3134,  
0.4023

 46.5547, 0.3113,  
0.4386


175.4353, 0.3135,  
0.3967

 32.6838, 0.3099,  
0.4539


215.8073, 0.3137,  
0.3919

 21.8843, 0.3077,  
0.4740

261.9416, 0.3138,  
0.3877

 13.7719, 0.3039,  
0.5014

314.2225, 0.3138,  
0.3840

 7.9622, 0.2969,  
0.5408


373.0344, 0.3139,


 4.0708, 0.2830,


0.3808


0.6017


438.7617, 0.3139,  
0.3779


 1.7132, 0.2546,  
0.7454


 0.4322, 0.0000,  
1.0000


 85.0486, 0.3127,  
0.4169


 85.0486, 0.3127,  
0.4169

 81.4580, 0.3121,  
0.4514

 89.2848, 0.3130,  
0.3846


 78.5025, 0.3111,  
0.4868

 94.2206, 0.3129,  
0.3554

 76.1383, 0.3096,  
0.5210

 99.8773, 0.3127,  
0.3295

 74.3254, 0.3078,  
0.5513

 100.0000, 0.3127,  
0.3290

■ 73.0186, 0.3056,  
0.5752

■ 72.1658, 0.3034,  
0.5910

■ 71.7028, 0.3016,  
0.5988

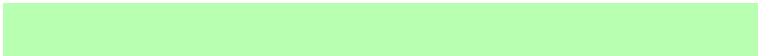
# Harmonies

## Analogous

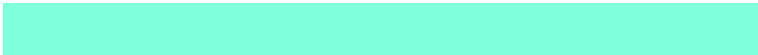
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0486, 0.3646, 0.4256



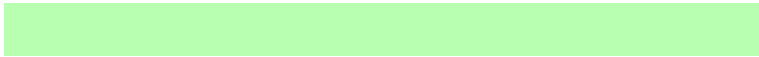
85.0486, 0.3127, 0.4169



85.0486, 0.2632, 0.3767

# Triad

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



85.0486, 0.3127, 0.4169



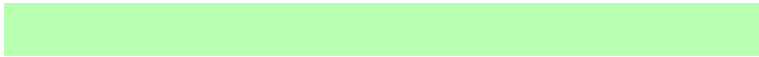
85.0486, 0.2259, 0.2502



85.0486, 0.4035, 0.3252

# Complementary

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



85.0486, 0.3127, 0.4169



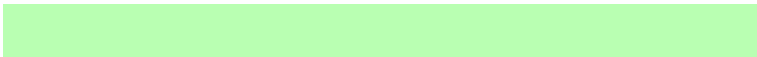
59.0167, 0.3108, 0.2523

# 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.



85.0486, 0.3600, 0.2865



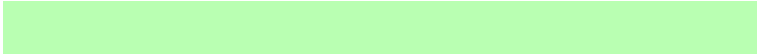
85.0486, 0.3127, 0.4169



85.0486, 0.2570, 0.2446

# Square

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



85.0486, 0.3127, 0.4169



85.0486, 0.2160, 0.2767



85.0486, 0.3053, 0.2579

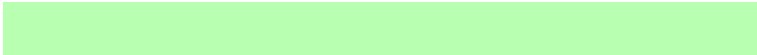


85.0486, 0.4199, 0.3673



# Rectangle

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



85.0486, 0.3127, 0.4169



85.0486, 0.2381, 0.3406



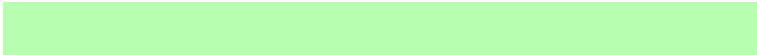
85.0486, 0.3053, 0.2579



85.0486, 0.3914, 0.3116

# Sweetspot

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



85.0409, 0.3127, 0.4169



94.8626, 0.3129, 0.3521



91.1776, 0.3606, 0.3979



20.1386, 0.3129, 0.3561



0.0000, 0.0000, 0.0000

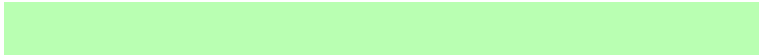


21.4041, 0.3127, 0.3290

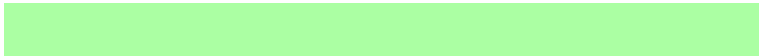


# Same Dimension

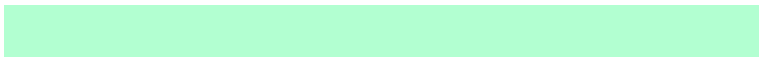
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0409, 0.3127, 0.4169



82.8856, 0.3124, 0.4367



85.5758, 0.2923, 0.3813



20.2466, 0.3129, 0.3535



37.4926, 0.3020, 0.5984



3.6758, 0.3062, 0.5951



# Inverse Universe

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



59.0167, 0.3108, 0.2523



53.2053, 0.3102, 0.2377



58.4857, 0.3407, 0.2821



18.2120, 0.3123, 0.3055



12.7667, 0.2982, 0.1417

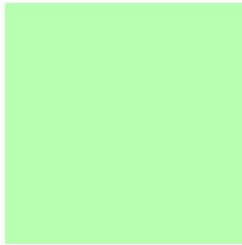


1.2665, 0.3010, 0.1432



# Previews

## White Background



This preview shows how the Yxy color 85.0486, 0.3127, 0.4169 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

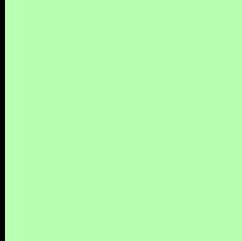
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.0486, 0.3127, 0.4169 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

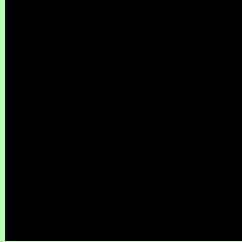
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

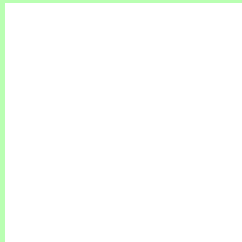
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.0486, 0.3127, 0.4169**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.0486, 0.3127, 0.4169.

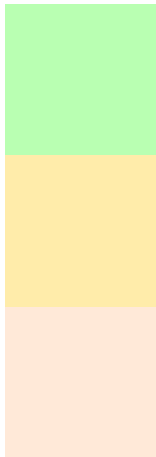


This preview shows how white text looks on a background with the Yxy color 85.0486, 0.3127, 0.4169.

# 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

85.0486, 0.3127, 0.4169

### Protanopia

84.1532, 0.3689, 0.3955

### Deuteranopia

84.4957, 0.3390, 0.3460



## Tritanopia

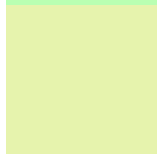
84.8704, 0.2871, 0.3155

# Trichromacy



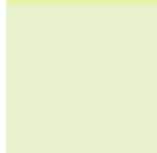
## Original Color

85.0486, 0.3127, 0.4169



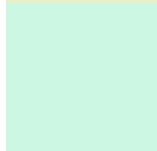
## Protanomaly

83.9413, 0.3471, 0.4034



## Deuteranomaly

83.9979, 0.3294, 0.3702



## Tritanomaly

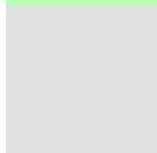
84.7641, 0.2968, 0.3506

# Monochromacy



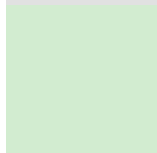
## Original Color

85.0486, 0.3127, 0.4169



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

78.2466, 0.3126, 0.3599

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.0486, 0.3127, 0.4169 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(185, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(185, 255, 178)  
}
```

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(185, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 85.0486, 0.3127, 0.4169 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(185, 255, 178) }
```

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

```
.border{ border-color:rgb(185, 255, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 255, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 255, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 255, 178);  
box-shadow:4px 4px 4px 4px rgb(185, 255,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.0486, 0.3127, 0.4169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 255, 178) }
```

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

```
.background{ background-color: rgb(185,  
255, 178) }
```

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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