

# Converting Colors

Yxy(85.1239, 0.3087, 0.4100)

Have a look what the booklet for  
Yxy(85.1239, 0.3087, 0.4100)  
contains.

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# Color

**Yxy(85.1710, 0.3089, 0.4100)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8FFB8
RGB	184, 255, 184
RGB Percent	72%, 100%, 72%
CMY	0.2786, 0.0000, 0.2785
CMYK	0.28, 0.00, 0.28, 0.00
HSL	120°, 100%, 86%
HSV	120°, 28%, 100%
XYZ	64.1691, 85.1710, 58.3941
YIQ	225.6770, -19.5250, -37.1330

# Conversions

## Conversions Part 2

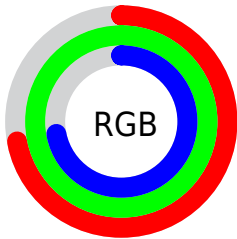
Format	Color
<a href="#">RYB</a>	<a href="#">184, 255, 255</a>
Decimal	<a href="#">12124088</a>
CIELab	<a href="#">93.96, -35.32, 27.09</a>
CIELCh	<a href="#">94, 44.512, 142.515</a>
Yxy	<a href="#">85.1710, 0.3089, 0.4100</a>
Android (android.graphics.Color)	<a href="#">4290314168</a> ( <a href="#">0xFFB8FFB8</a> )
YUV	<a href="#">225.6770, -20.5468, -36.5507</a>
Hunter-Lab	<a href="#">92.2881, -37.3910, 27.0868</a>

# Details

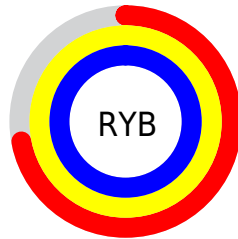
The Yxy color **85.1710, 0.3089, 0.4100** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.7408, 0.3160, 0.2594**, and the grayscale version is **75.9572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5120, 0.3126, 0.3438**, and **46.6940, 0.3066, 0.4293** is the 20% darker color. If you saturate the color by 10%, you get **81.3210, 0.3073, 0.4449**, and if you desaturate by 10%, it is **89.7688, 0.3104, 0.3778**.

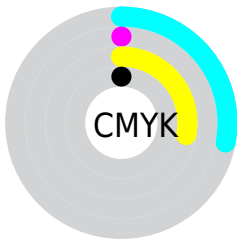
# Distribution



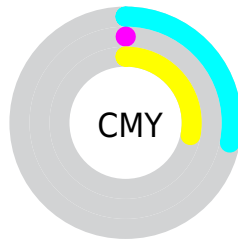
- Red (72%)
- Green (100%)
- Blue (72%)



- Red (72%)
- Yellow (100%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (28%)
- Magenta (0%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.1710, 0.3089, 0.4100 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 85.1710, 0.3089, 0.4100 by changing the saturation by 10% instead.





 85.1710, 0.3089,  
0.4100

 85.1710, 0.3089,  
0.4100

512.1937, 0.3116,  
0.3717

 63.9827, 0.3080,  
0.4189


 140.6121, 0.3100,  
0.3966

 46.6366, 0.3068,  
0.4300


175.6336, 0.3104,  
0.3914

 32.7485, 0.3051,  
0.4440


216.0350, 0.3107,  
0.3870

 21.9339, 0.3026,  
0.4626

262.2007, 0.3110,  
0.3831

 13.8083, 0.2985,  
0.4880

314.5150, 0.3112,  
0.3797

 7.9875, 0.2913,  
0.5247


373.3623, 0.3114,


 4.0869, 0.2775,


0.3768


0.5812


439.1271, 0.3115,  
0.3741


 1.7223, 0.2604,  
0.7396


 0.4380, 0.0000,  
1.0000


 85.1710, 0.3089,  
0.4100

 85.1710, 0.3089,  
0.4100

 81.3210, 0.3073,  
0.4449


 89.7688, 0.3104,  
0.3778

 78.1964, 0.3056,  
0.4811

 95.1706, 0.3118,  
0.3491

 75.7464, 0.3039,  
0.5166

100.0000, 0.3127,  
0.3290

 73.9214, 0.3024,  
0.5484

■ 72.6647, 0.3012,  
0.5738

■ 71.9098, 0.3004,  
0.5907

■ 71.5674, 0.3000,  
0.5988

■ 71.5202, 0.3000,  
0.6000

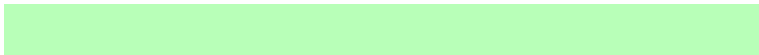
# Harmonies

## Analogous

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



85.1710, 0.3586, 0.4211



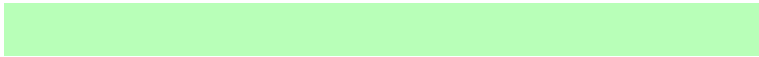
85.1710, 0.3089, 0.4100



85.1710, 0.2625, 0.3703

# Triad

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



85.1710, 0.3089, 0.4100



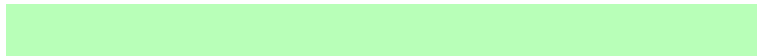
85.1710, 0.2315, 0.2528



85.1710, 0.4012, 0.3289

# Complementary

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



85.1710, 0.3089, 0.4100



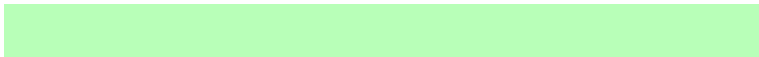
62.7408, 0.3160, 0.2594

# 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.



85.1710, 0.3616, 0.2913



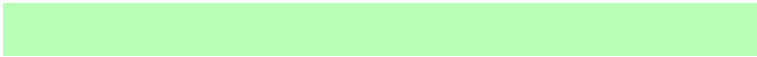
85.1710, 0.3089, 0.4100



85.1710, 0.2629, 0.2488

# Square

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



85.1710, 0.3089, 0.4100



85.1710, 0.2204, 0.2767



85.1710, 0.3099, 0.2628

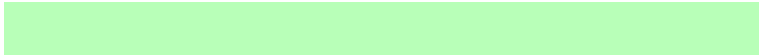


85.1710, 0.4144, 0.3691



# Rectangle

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



85.1710, 0.3089, 0.4100



85.1710, 0.2393, 0.3360



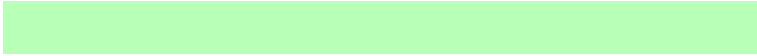
85.1710, 0.3099, 0.2628



85.1710, 0.3904, 0.3157

# Sweetspot

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



85.1648, 0.3089, 0.4100



95.0897, 0.3118, 0.3495



96.2388, 0.3550, 0.3989



20.1683, 0.3116, 0.3536



0.0000, 0.0000, 0.0000

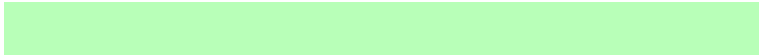


21.4041, 0.3127, 0.3290

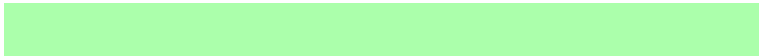


# Same Dimension

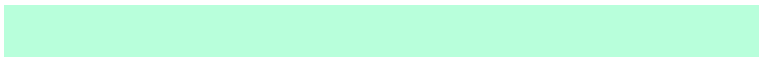
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1648, 0.3089, 0.4100



83.0969, 0.3081, 0.4276



86.8445, 0.2900, 0.3684



20.1683, 0.3116, 0.3536



37.3709, 0.3000, 0.6000



3.6387, 0.3000, 0.5999



# Inverse Universe

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



62.7408, 0.3160, 0.2594



57.5471, 0.3166, 0.2468



60.6622, 0.3438, 0.2928



18.3003, 0.3138, 0.3056



14.8782, 0.3210, 0.1542

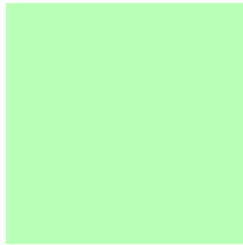


1.4487, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 85.1710, 0.3089, 0.4100 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

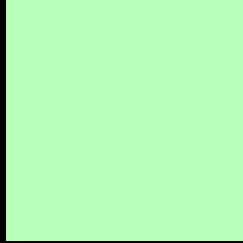
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.1710, 0.3089, 0.4100 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 85.1710, 0.3089, 0.4100**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.1710, 0.3089, 0.4100.

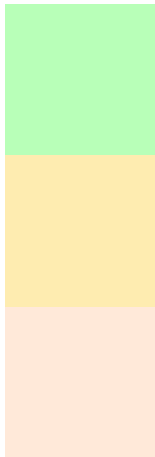


This preview shows how white text looks on a background with the Yxy color 85.1710, 0.3089, 0.4100.

# 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

85.1710, 0.3089, 0.4100

### Protanopia

84.1963, 0.3642, 0.3897

### Deuteranopia

84.5476, 0.3383, 0.3450



## Tritanopia

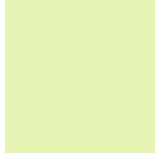
84.8704, 0.2871, 0.3155

# Trichromacy



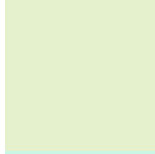
## Original Color

85.1710, 0.3089, 0.4100



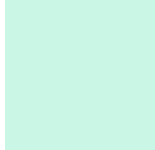
## Protanomaly

84.0139, 0.3427, 0.3971



## Deuteranomaly

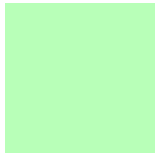
83.9764, 0.3269, 0.3670



## Tritanomaly

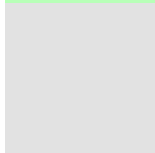
84.7352, 0.2951, 0.3484

# Monochromacy



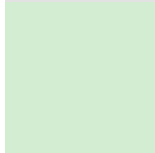
## Original Color

85.1710, 0.3089, 0.4100



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

79.1204, 0.3114, 0.3575

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.1710, 0.3089, 0.4100 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(184, 255, 184)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 184)  
}
```

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(184, 255, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 85.1710, 0.3089, 0.4100 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(184, 255, 184) }
```

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

```
.border{ border-color:rgb(184, 255, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 255, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 184);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.1710, 0.3089, 0.4100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 255, 184) }
```

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

```
.background{ background-color: rgb(184,  
255, 184) }
```

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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