

# Converting Colors

$Yxy(85.5231, 0.3179, 0.4207)$

Have a look what the booklet for  
Yxy(85.5231, 0.3179, 0.4207)  
contains.

<b>Yxy(85.5231, 0.3179, 0.4207)</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(85.5231, 0.3179, 0.4207)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEFFAE
RGB	190, 255, 174
RGB Percent	75%, 100%, 68%
CMY	0.2551, 0.0000, 0.3177
CMYK	0.26, 0.00, 0.32, 0.00
HSL	108°, 100%, 84%
HSV	108°, 32%, 100%
XYZ	64.6251, 85.5231, 53.1394
YIQ	226.3310, -12.7390, -38.9710

# Conversions

## Conversions Part 2

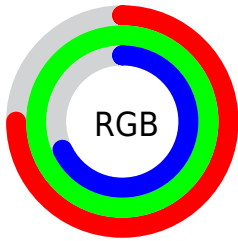
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 255, 239
Decimal	12517294
CIELab	94.11, -34.94, 32.38
CIELCh	94, 47.632, 137.177
Yxy	85.5231, 0.3179, 0.4207
Android (android.graphics.Color)	4290707374 (0xFFBEFFAE)
YUV	226.3310, -25.7992, -31.8623
Hunter-Lab	92.4787, -37.1000, 30.6663

# Details

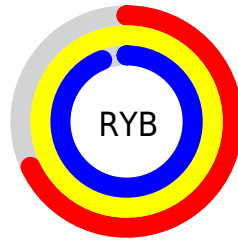
The Yxy color **85.5231, 0.3179, 0.4207** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **55.8454, 0.3039, 0.2467**, and the grayscale version is **76.4901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1896, 0.3229, 0.3536**, and **46.9195, 0.3175, 0.4429** is the 20% darker color. If you saturate the color by 10%, you get **82.1615, 0.3186, 0.4544**, and if you desaturate by 10%, it is **89.4308, 0.3166, 0.3888**.

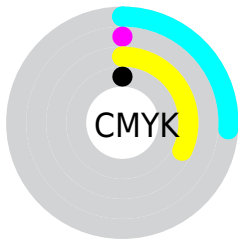
# Distribution



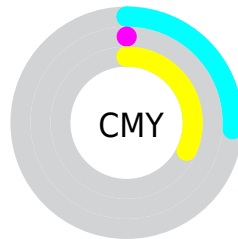
- Red (75%)
- Green (100%)
- Blue (68%)



- Red (68%)
- Yellow (100%)
- Blue (94%)



- Cyan (26%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)




- Cyan (26%)
- Magenta (0%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5231, 0.3179, 0.4207 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 85.5231, 0.3179, 0.4207 by changing the saturation by 10% instead.




 85.5231, 0.3179,  
0.4207

 85.5231, 0.3179,  
0.4207


513.3574, 0.3169,  
0.3774

 64.2737, 0.3178,  
0.4307

 141.1038, 0.3178,  
0.4055

 46.8724, 0.3175,  
0.4432


176.2039, 0.3177,  
0.3997

 32.9348, 0.3168,  
0.4590


216.6896, 0.3176,  
0.3947

 22.0765, 0.3154,  
0.4797

262.9455, 0.3174,  
0.3903

 13.9131, 0.3125,  
0.5078

315.3557, 0.3173,  
0.3865

 8.0603, 0.3066,  
0.5477

374.3049, 0.3171,


 4.1335, 0.2947,


0.3831


0.6104


440.1773, 0.3170,  
0.3801


 1.7485, 0.2654,  
0.7346


 0.4548, 0.0000,  
1.0000


 85.5231, 0.3179,  
0.4207


 85.5231, 0.3179,  
0.4207


 82.1615, 0.3186,  
0.4544


 89.4308, 0.3166,  
0.3888

 79.3395, 0.3185,  
0.4886

 93.9285, 0.3150,  
0.3596

 77.0223, 0.3175,  
0.5212

 99.0325, 0.3131,  
0.3333

 75.1791, 0.3155,  
0.5501

100.0000, 0.3127,  
0.3290

■ 73.7752, 0.3125,  
0.5729

■ 72.7709, 0.3089,  
0.5881

■ 72.2044, 0.3058,  
0.5954

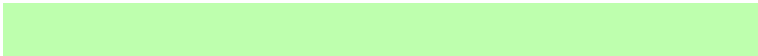
# Harmonies

## Analogous

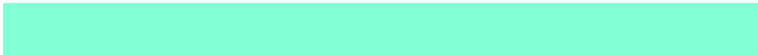
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5231, 0.3700, 0.4261



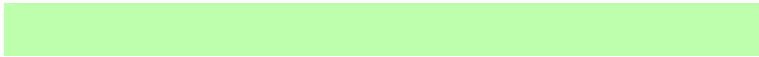
85.5231, 0.3179, 0.4207



85.5231, 0.2669, 0.3824

# Triad

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



85.5231, 0.3179, 0.4207



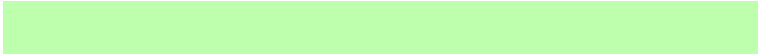
85.5231, 0.2228, 0.2508



85.5231, 0.4016, 0.3210

# Complementary

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



85.5231, 0.3179, 0.4207



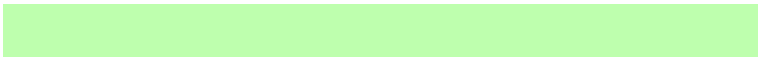
55.8454, 0.3039, 0.2467

# Split Complementary

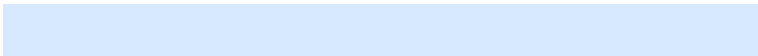
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5231, 0.3554, 0.2826



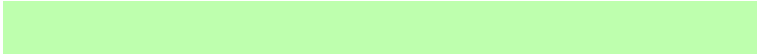
85.5231, 0.3179, 0.4207



85.5231, 0.2523, 0.2432

# Square

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



85.5231, 0.3179, 0.4207



85.5231, 0.2150, 0.2796



85.5231, 0.2999, 0.2549

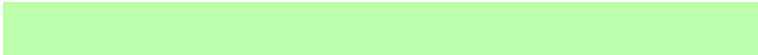


85.5231, 0.4213, 0.3636



# Rectangle

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



85.5231, 0.3179, 0.4207



85.5231, 0.2402, 0.3462



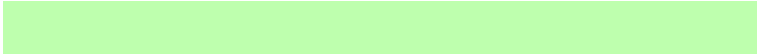
85.5231, 0.2999, 0.2549



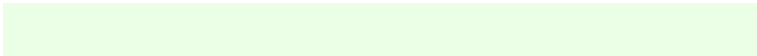
85.5231, 0.3884, 0.3074

# Sweetspot

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



85.5166, 0.3179, 0.4207



94.7865, 0.3146, 0.3547



85.9304, 0.3655, 0.3941



20.1419, 0.3149, 0.3586



0.0000, 0.0000, 0.0000

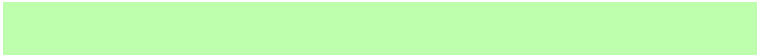


21.4041, 0.3127, 0.3290

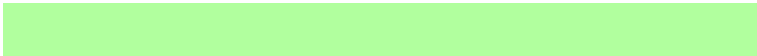


# Same Dimension

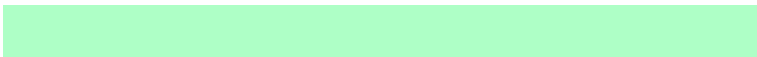
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5166, 0.3179, 0.4207



83.3619, 0.3184, 0.4416



84.6082, 0.2956, 0.3942



20.3404, 0.3145, 0.3534



37.7768, 0.3066, 0.5948



3.7209, 0.3134, 0.5893



# Inverse Universe

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



55.8454, 0.3039, 0.2467



49.5247, 0.3015, 0.2302



57.2806, 0.3357, 0.2718



18.1090, 0.3106, 0.3054



10.6001, 0.2714, 0.1269

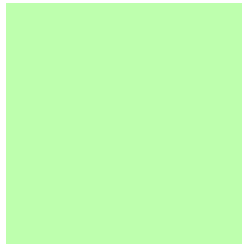


1.0760, 0.2773, 0.1301



# Previews

## White Background



This preview shows how the Yxy color 85.5231, 0.3179, 0.4207 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

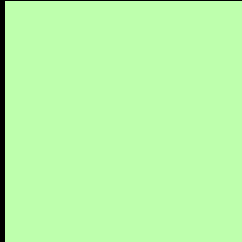
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.5231, 0.3179, 0.4207 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

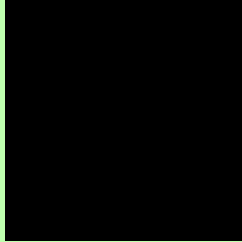
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.5231, 0.3179, 0.4207**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.5231, 0.3179, 0.4207.

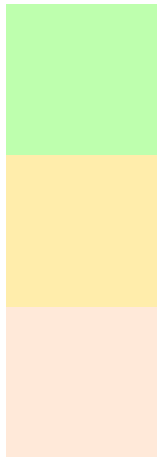


This preview shows how white text looks on a background with the Yxy color 85.5231, 0.3179, 0.4207.

# 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

85.5231, 0.3179, 0.4207

### Protanopia

84.7686, 0.3679, 0.3954

### Deuteranopia

84.5476, 0.3383, 0.3450



## Tritanopia

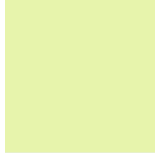
85.3232, 0.2889, 0.3155

# Trichromacy



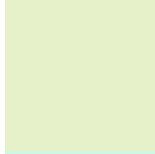
## Original Color

85.5231, 0.3179, 0.4207



## Protanomaly

84.6688, 0.3482, 0.4052



## Deuteranomaly

84.1166, 0.3308, 0.3712



## Tritanomaly

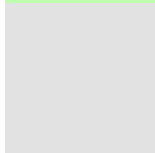
85.2779, 0.2998, 0.3515

# Monochromacy



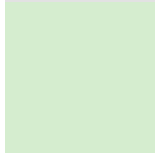
## Original Color

85.5231, 0.3179, 0.4207



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

79.2195, 0.3152, 0.3619

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.5231, 0.3179, 0.4207 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(190, 255, 174)` looks like.

```
.text, #text, p{  
    color:rgb(190, 255, 174)  
}
```

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(190, 255, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 85.5231, 0.3179, 0.4207 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(190, 255, 174) }
```

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

```
.border{ border-color:rgb(190, 255, 174) }
```

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

Here you see how a box with a 4 pixel rgb(190, 255, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 174);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.5231, 0.3179, 0.4207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 174) }
```

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

```
.background{ background-color: rgb(190,  
255, 174) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor