

# Converting Colors

$Yxy(87.5585, 0.3155, 0.4007)$

Have a look what the booklet for  
Yxy(87.5585, 0.3155, 0.4007)  
contains.

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# Color

**Yxy(87.5171, 0.3154, 0.4008)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8FFBE
RGB	200, 255, 190
RGB Percent	78%, 100%, 75%
CMY	0.2157, 0.0000, 0.2550
CMYK	0.22, 0.00, 0.25, 0.00
HSL	111°, 100%, 87%
HSV	111°, 25%, 100%
XYZ	68.8695, 87.5171, 61.9694
YIQ	231.1450, -11.9150, -31.8750

# Conversions

## Conversions Part 2

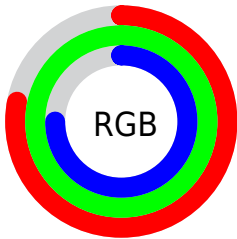
Format	Color
<a href="#">RYB</a>	<a href="#">190, 255, 245</a>
Decimal	<a href="#">13172670</a>
CIELab	<a href="#">94.96, -29.17, 25.56</a>
CIELCh	<a href="#">95, 38.789, 138.776</a>
Yxy	<a href="#">87.5171, 0.3154, 0.4008</a>
Android (android.graphics.Color)	<a href="#">4291362750 (0xFFC8FFBE)</a>
YUV	<a href="#">231.1450, -20.2845, -27.3142</a>
Hunter-Lab	<a href="#">93.5506, -32.3065, 26.2107</a>

# Details

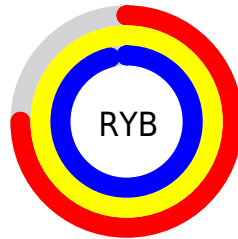
The Yxy color **87.5171, 0.3154, 0.4008** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.4542, 0.3082, 0.2638**, and the grayscale version is **80.1802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4954, 0.3173, 0.3367**, and **48.1855, 0.3153, 0.4184** is the 20% darker color. If you saturate the color by 10%, you get **83.7313, 0.3159, 0.4339**, and if you desaturate by 10%, it is **91.9123, 0.3145, 0.3703**.

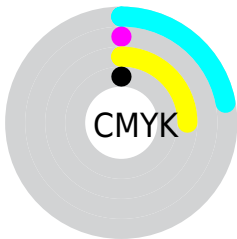
# Distribution



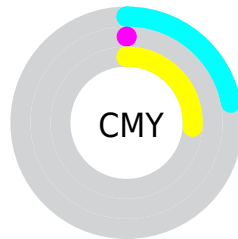
- Red (78%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (96%)



- Cyan (22%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.5171, 0.3154, 0.4008 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 87.5171, 0.3154, 0.4008 by changing the saturation by 10% instead.




 87.5171, 0.3154,  
0.4008

 87.5171, 0.3154,  
0.4008


519.9205, 0.3150,  
0.3673

 65.9232, 0.3153,  
0.4085


 143.8847, 0.3154,  
0.3891

 48.2101, 0.3151,  
0.4180


179.4271, 0.3154,  
0.3846

 33.9933, 0.3146,  
0.4301


220.3879, 0.3153,  
0.3807

 22.8884, 0.3137,  
0.4459

267.1515, 0.3153,  
0.3773

 14.5111, 0.3121,  
0.4674

320.1021, 0.3152,  
0.3743

 8.4770, 0.3087,  
0.4980

379.6242, 0.3151,

 4.4017, 0.3012,

0.3717

0.5448

446.1022, 0.3150,  
0.3694

■ 1.9007, 0.3102,  
0.6841

■ 0.5488, 0.0000,  
1.0000

■ 87.5171, 0.3154,  
0.4008

■ 87.5171, 0.3154,  
0.4008

■ 83.7313, 0.3159,  
0.4339

■ 91.9123, 0.3145,  
0.3703

■ 80.5347, 0.3158,  
0.4684

■ 96.9502, 0.3134,  
0.3428

■ 77.8951, 0.3150,  
0.5028

100.0000, 0.3127,  
0.3290

■ 75.7799, 0.3134,  
0.5347

■ 74.1534, 0.3111,  
0.5618

■ 72.9749, 0.3082,  
0.5818

■ 72.1968, 0.3050,  
0.5937

■ 71.9556, 0.3037,  
0.5970

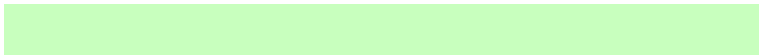
# Harmonies

## Analogous

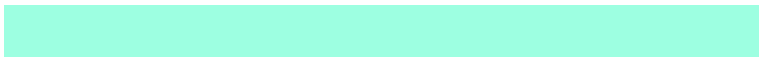
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5171, 0.3580, 0.4078



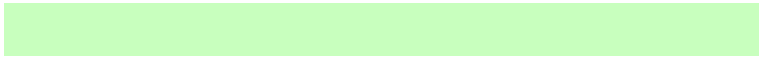
87.5171, 0.3154, 0.4008



87.5171, 0.2739, 0.3695

# Triad

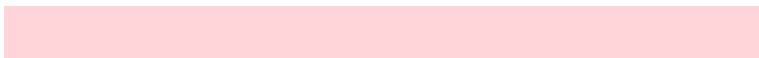
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5171, 0.3154, 0.4008



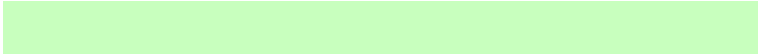
87.5171, 0.2396, 0.2644



87.5171, 0.3858, 0.3251

# Complementary

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



87.5171, 0.3154, 0.4008



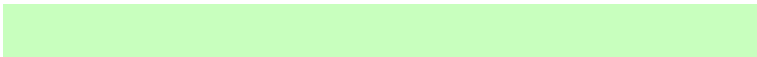
63.4542, 0.3082, 0.2638

# Split Complementary

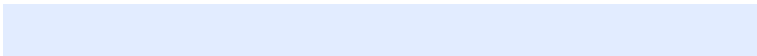
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.5171, 0.3498, 0.2925



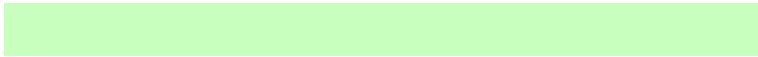
87.5171, 0.3154, 0.4008



87.5171, 0.2653, 0.2583

# Square

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



87.5171, 0.3154, 0.4008



87.5171, 0.2321, 0.2879



87.5171, 0.3051, 0.2687

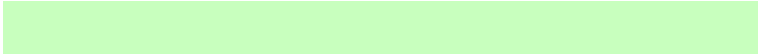


87.5171, 0.4006, 0.3605



# Rectangle

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



87.5171, 0.3154, 0.4008



87.5171, 0.2522, 0.3410



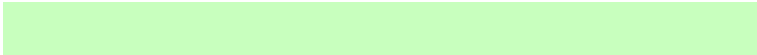
87.5171, 0.3051, 0.2687



87.5171, 0.3756, 0.3136

# Sweetspot

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



87.5146, 0.3154, 0.4008



95.6268, 0.3137, 0.3494



89.7776, 0.3538, 0.3830



20.3022, 0.3139, 0.3534



0.0000, 0.0000, 0.0000

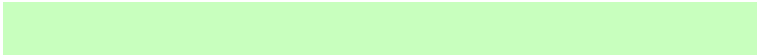


21.4041, 0.3127, 0.3290

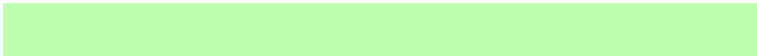


# Same Dimension

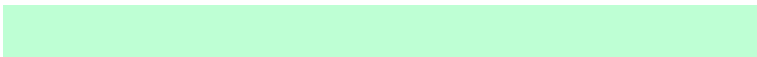
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5146, 0.3154, 0.4008



85.3577, 0.3157, 0.4187



87.2018, 0.2976, 0.3770



20.3022, 0.3139, 0.3534



37.6380, 0.3044, 0.5965



3.7019, 0.3104, 0.5917



# Inverse Universe

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



63.4542, 0.3082, 0.2638



57.2777, 0.3068, 0.2494



63.9836, 0.3319, 0.2854



18.1506, 0.3113, 0.3054



11.4368, 0.2822, 0.1328

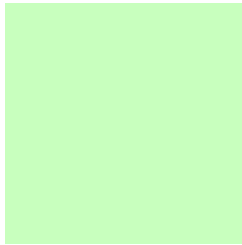


1.1501, 0.2869, 0.1354



# Previews

## White Background



This preview shows how the Yxy color 87.5171, 0.3154, 0.4008 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

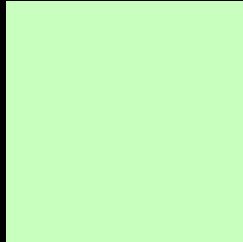
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.5171, 0.3154, 0.4008 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

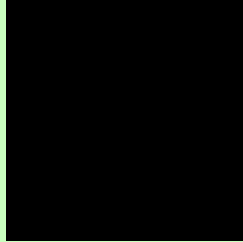
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

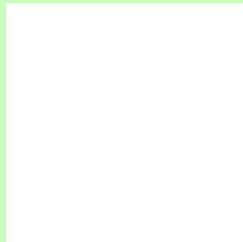
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.5171, 0.3154, 0.4008**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.5171, 0.3154, 0.4008.

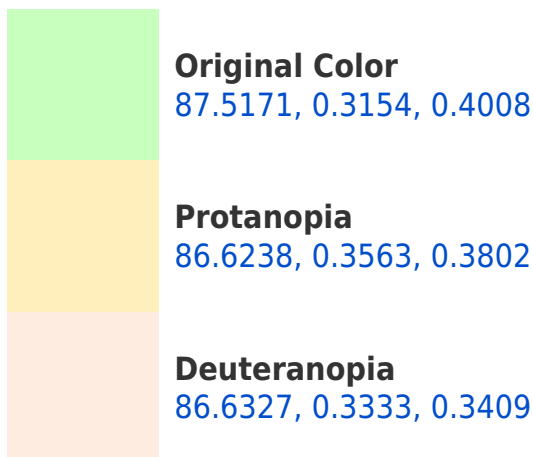


This preview shows how white text looks on a background with the Yxy color 87.5171, 0.3154, 0.4008.

# 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

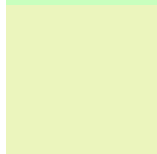
87.1685, 0.2938, 0.3168

# Trichromacy



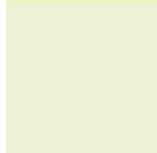
## Original Color

87.5171, 0.3154, 0.4008



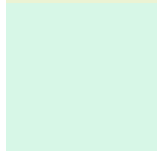
## Protanomaly

86.6411, 0.3403, 0.3875



## Deuteranomaly

86.5168, 0.3264, 0.3611



## Tritanomaly

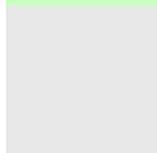
86.7381, 0.3019, 0.3458

# Monochromacy



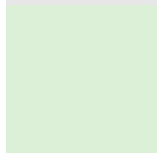
## Original Color

87.5171, 0.3154, 0.4008



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

82.4937, 0.3141, 0.3547

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.5171, 0.3154, 0.4008 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(200, 255, 190)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 190)  
}
```

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(200, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 87.5171, 0.3154, 0.4008 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(200, 255, 190) }
```

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

```
.border{ border-color:rgb(200, 255, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 255, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.5171, 0.3154, 0.4008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 190) }
```

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

```
.background{ background-color: rgb(200,  
255, 190) }
```

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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