

# Converting Colors

$Yxy(87.2641, 0.3238, 0.4150)$

Have a look what the booklet for  
Yxy(87.2641, 0.3238, 0.4150)  
contains.

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# Color

**Yxy(87.2509, 0.3238, 0.4152)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAFFB1
RGB	202, 255, 177
RGB Percent	79%, 100%, 69%
CMY	0.2080, 0.0000, 0.3059
CMYK	0.21, 0.00, 0.31, 0.00
HSL	101°, 100%, 85%
HSV	101°, 31%, 100%
XYZ	68.0439, 87.2509, 54.8470
YIQ	230.2610, -6.5500, -35.4940

# Conversions

## Conversions Part 2

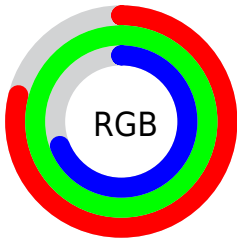
Format	Color
<a href="#">RYB</a>	<a href="#">177, 255, 230</a>
Decimal	<a href="#">13303729</a>
CIELab	<a href="#">94.84, -30.49, 31.98</a>
CIELCh	<a href="#">95, 44.185, 133.636</a>
Yxy	<a href="#">87.2509, 0.3238, 0.4152</a>
Android (android.graphics.Color)	<a href="#">4291493809</a> ( <a href="#">0xFFCAFFB1</a> )
YUV	<a href="#">230.2610, -26.2577, -24.7849</a>
Hunter-Lab	<a href="#">93.4082, -33.4346, 30.5721</a>

# Details

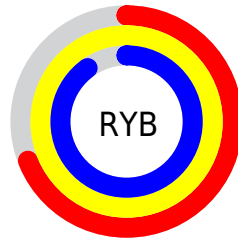
The Yxy color **87.2509, 0.3238, 0.4152** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **55.4926, 0.2969, 0.2480**, and the grayscale version is **79.5250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **48.0464, 0.3250, 0.4353** is the 20% darker color. If you saturate the color by 10%, you get **84.0374, 0.3264, 0.4474**, and if you desaturate by 10%, it is **90.9142, 0.3205, 0.3845**.

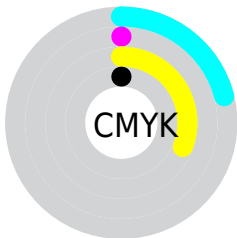
# Distribution



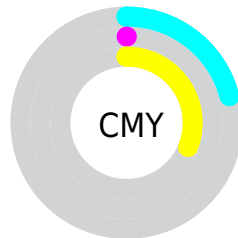
- Red (79%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (90%)



- Cyan (21%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.2509, 0.3238, 0.4152 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 87.2509, 0.3238, 0.4152 by changing the saturation by 10% instead.





 87.2509, 0.3238,  
0.4152

 87.2509, 0.3238,  
0.4152


519.0470, 0.3200,  
0.3749

 65.7029, 0.3244,  
0.4245

 143.5138, 0.3227,  
0.4011

 48.0312, 0.3249,  
0.4359


178.9974, 0.3222,  
0.3957

 33.8516, 0.3252,  
0.4504


219.8951, 0.3218,  
0.3910

 22.7796, 0.3253,  
0.4692

266.5911, 0.3213,  
0.3869

 14.4309, 0.3245,  
0.4946

319.4699, 0.3210,  
0.3834

 8.4210, 0.3216,  
0.5304


378.9159, 0.3206,


 4.3655, 0.3140,

0.3802

0.5844

445.3134, 0.3203,  
0.3774

 1.8800, 0.3031,  
0.6969


 0.5363, 0.0000,  
1.0000

 87.2509, 0.3238,  
0.4152


 87.2509, 0.3238,  
0.4152


 84.0374, 0.3264,  
0.4474


 90.9142, 0.3205,  
0.3845


 81.2721, 0.3280,  
0.4801

 95.0636, 0.3168,  
0.3562

 78.9279, 0.3282,  
0.5114

 99.7103, 0.3129,  
0.3304

 76.9818, 0.3269,  
0.5395

 100.0000, 0.3127,  
0.3290

■ 75.4083, 0.3239,  
0.5625

■ 74.1780, 0.3196,  
0.5788

■ 73.2960, 0.3147,  
0.5883

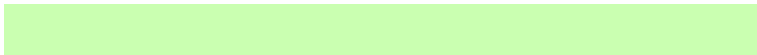
# Harmonies

## Analogous

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



87.2509, 0.3711, 0.4172



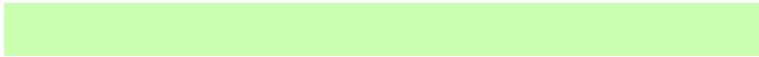
87.2509, 0.3238, 0.4152



87.2509, 0.2757, 0.3833

# Triad

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



87.2509, 0.3238, 0.4152



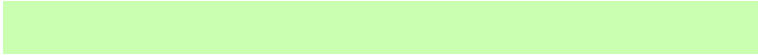
87.2509, 0.2272, 0.2588



87.2509, 0.3905, 0.3174

# Complementary

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



87.2509, 0.3238, 0.4152



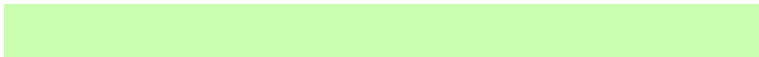
55.4926, 0.2969, 0.2480

# Split Complementary

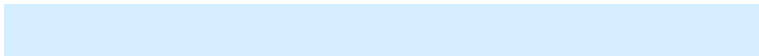
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2509, 0.3463, 0.2823



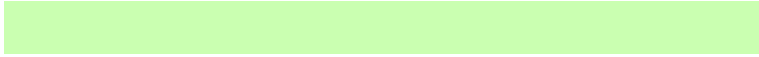
87.2509, 0.3238, 0.4152



87.2509, 0.2526, 0.2491

# Square

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



87.2509, 0.3238, 0.4152



87.2509, 0.2225, 0.2882



87.2509, 0.2952, 0.2580

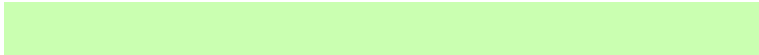


87.2509, 0.4122, 0.3570



# Rectangle

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



87.2509, 0.3238, 0.4152



87.2509, 0.2496, 0.3511



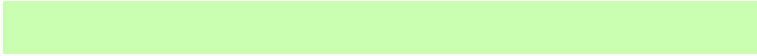
87.2509, 0.2952, 0.2580



87.2509, 0.3776, 0.3048

# Sweetspot

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



87.2449, 0.3238, 0.4152



95.7684, 0.3162, 0.3519



80.4723, 0.3663, 0.3819



20.3602, 0.3168, 0.3558



0.0000, 0.0000, 0.0000

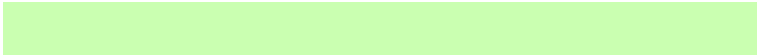


21.4041, 0.3127, 0.3290

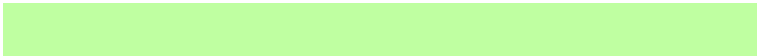


# Same Dimension

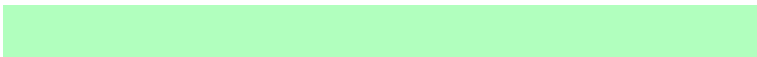
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2449, 0.3238, 0.4152



85.1368, 0.3256, 0.4357



84.5844, 0.3016, 0.4038



20.4502, 0.3164, 0.3532



38.3692, 0.3158, 0.5875



3.7916, 0.3241, 0.5808



# Inverse Universe

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



55.4926, 0.2969, 0.2480



48.5643, 0.2925, 0.2301



59.1140, 0.3263, 0.2643



17.9919, 0.3086, 0.3052



8.5224, 0.2413, 0.1103

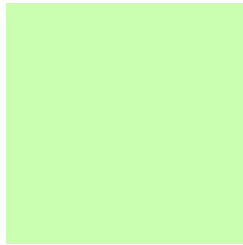


0.8885, 0.2505, 0.1154



# Previews

## White Background



This preview shows how the Yxy color 87.2509, 0.3238, 0.4152 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

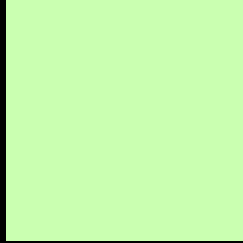
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.2509, 0.3238, 0.4152 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

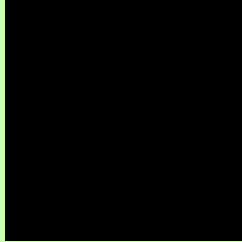
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

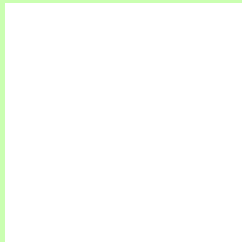
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.2509, 0.3238, 0.4152**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.2509, 0.3238, 0.4152.

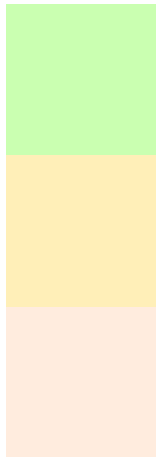


This preview shows how white text looks on a background with the Yxy color 87.2509, 0.3238, 0.4152.

# 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

87.2509, 0.3238, 0.4152

### Protanopia

86.4537, 0.3589, 0.3843

### Deuteranopia

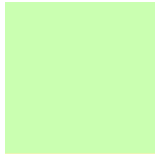
86.5248, 0.3346, 0.3429



## Tritanopia

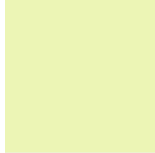
86.7318, 0.2944, 0.3158

# Trichromacy



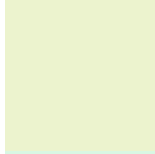
## Original Color

87.2509, 0.3238, 0.4152



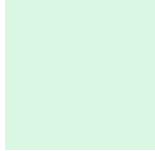
## Protanomaly

86.4739, 0.3460, 0.3958



## Deuteranomaly

86.3903, 0.3308, 0.3674



## Tritanomaly

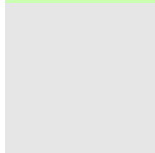
86.8193, 0.3054, 0.3501

# Monochromacy



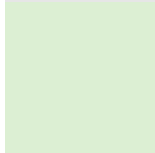
## Original Color

87.2509, 0.3238, 0.4152



## Achromatopsia

79.1298, 0.3127, 0.3290



## Achromatomaly

81.6518, 0.3173, 0.3591

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.2509, 0.3238, 0.4152 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(202, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 177)  
}
```

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(202, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 87.2509, 0.3238, 0.4152 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(202, 255, 177) }
```

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

```
.border{ border-color:rgb(202, 255, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 255, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 177);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.2509, 0.3238, 0.4152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 177) }
```

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

```
.background{ background-color: rgb(202,  
255, 177) }
```

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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