

# Converting Colors

Yxy(87.3283, 0.3317, 0.4260)

Have a look what the booklet for  
Yxy(87.3283, 0.3317, 0.4260)  
contains.

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# Color

**Yxy(87.2892, 0.3312, 0.4257)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDFFA7
RGB	205, 255, 167
RGB Percent	80%, 100%, 65%
CMY	0.1961, 0.0000, 0.3449
CMYK	0.20, 0.00, 0.34, 0.00
HSL	94°, 100%, 83%
HSV	94°, 34%, 100%
XYZ	67.9121, 87.2892, 49.8473
YIQ	230.0180, -1.5520, -37.9680

# Conversions

## Conversions Part 2

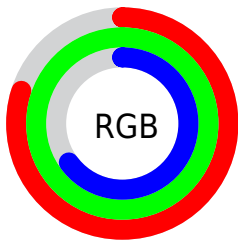
Format	Color
<a href="#">RYB</a>	<a href="#">167, 255, 217</a>
Decimal	<a href="#">13500327</a>
CIELab	<a href="#">94.86, -30.85, 37.00</a>
CIELCh	<a href="#">95, 48.171, 129.823</a>
Yxy	<a href="#">87.2892, 0.3312, 0.4257</a>
Android (android.graphics.Color)	<a href="#">4291690407</a> ( <a href="#">0xFFCDDFA7</a> )
YUV	<a href="#">230.0180, -31.0679, -21.9408</a>
Hunter-Lab	<a href="#">93.4287, -33.7509, 33.7669</a>

# Details

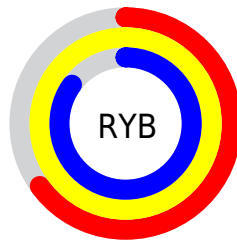
The Yxy color **87.2892, 0.3312, 0.4257** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.6328, 0.2866, 0.2351**, and the grayscale version is **79.3797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **47.9926, 0.3332, 0.4488** is the 20% darker color. If you saturate the color by 10%, you get **84.4694, 0.3352, 0.4569**, and if you desaturate by 10%, it is **90.4855, 0.3263, 0.3953**.

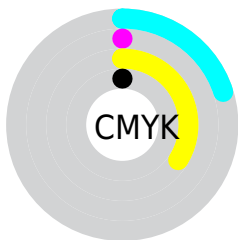
# Distribution



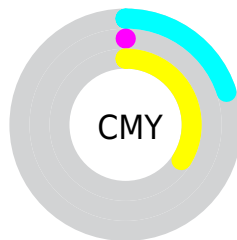
- Red (80%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (85%)



- Cyan (20%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.2892, 0.3312, 0.4257 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 87.2892, 0.3312, 0.4257 by changing the saturation by 10% instead.



 87.2892, 0.3312,  
0.4257


 87.2892, 0.3312,  
0.4257

519.1727, 0.3243,  
0.3805

 65.7346, 0.3323,  
0.4360


 143.5672, 0.3292,  
0.4100

 48.0570, 0.3335,  
0.4488


 179.0593, 0.3283,  
0.4039

 33.8720, 0.3345,  
0.4648


219.9660, 0.3275,  
0.3986

 22.7953, 0.3353,  
0.4855

266.6718, 0.3267,  
0.3940

 14.4424, 0.3351,  
0.5132

319.5609, 0.3260,  
0.3900

 8.4290, 0.3325,  
0.5514

379.0178, 0.3254,

 4.3707, 0.3278,

0.3865

0.6145

445.4270, 0.3249,  
0.3833

■ 1.8830, 0.3009,  
0.6991

■ 0.5381, 0.0000,  
1.0000

■ 87.2892, 0.3312,  
0.4257

■ 87.2892, 0.3312,  
0.4257

■ 84.4694, 0.3352,  
0.4569

■ 90.4855, 0.3263,  
0.3953

■ 82.0108, 0.3378,  
0.4876

■ 94.0742, 0.3209,  
0.3666

■ 79.8955, 0.3387,  
0.5162

■ 98.0691, 0.3153,  
0.3401

■ 78.1043, 0.3377,  
0.5410

100.0000, 0.3127,  
0.3290

■ 76.6154, 0.3345,  
0.5605

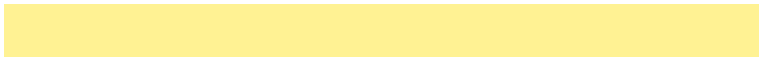
■ 75.4028, 0.3296,  
0.5738

■ 74.8355, 0.3264,  
0.5790

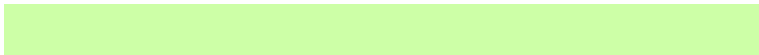
# Harmonies

## Analogous

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



87.2892, 0.3816, 0.4229



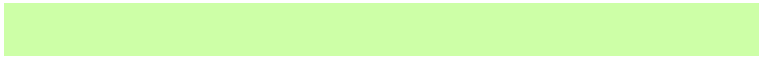
87.2892, 0.3312, 0.4257



87.2892, 0.2783, 0.3946

# Triad

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



87.2892, 0.3312, 0.4257



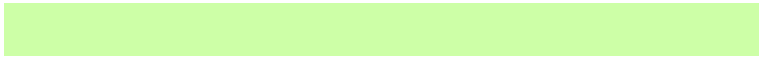
87.2892, 0.2184, 0.2555



87.2892, 0.3925, 0.3108

# Complementary

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



87.2892, 0.3312, 0.4257



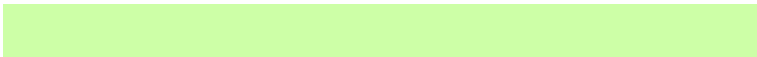
49.6328, 0.2866, 0.2351

# Split Complementary

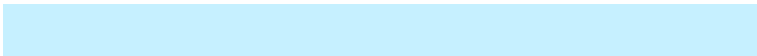
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2892, 0.3420, 0.2744



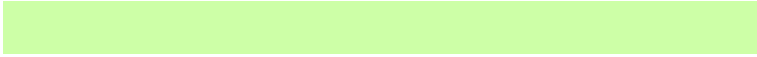
87.2892, 0.3312, 0.4257



87.2892, 0.2429, 0.2428

# Square

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



87.2892, 0.3312, 0.4257



87.2892, 0.2162, 0.2897



87.2892, 0.2868, 0.2501

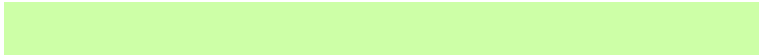


87.2892, 0.4199, 0.3532

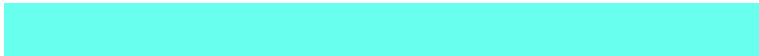


# Rectangle

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



87.2892, 0.3312, 0.4257



87.2892, 0.2488, 0.3601



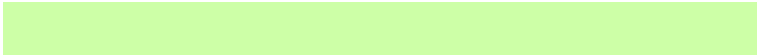
87.2892, 0.2868, 0.2501



87.2892, 0.3774, 0.2977

# Sweetspot

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



87.2889, 0.3312, 0.4257



95.8182, 0.3184, 0.3544



73.6179, 0.3772, 0.3803



20.3904, 0.3192, 0.3582



0.0000, 0.0000, 0.0000

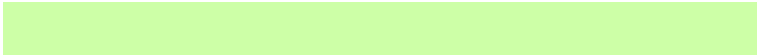


21.4041, 0.3127, 0.3290

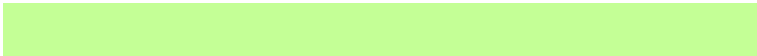


# Same Dimension

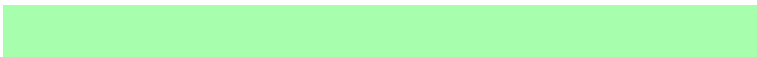
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2889, 0.3312, 0.4257



85.4125, 0.3339, 0.4460



82.7535, 0.3048, 0.4258



20.5513, 0.3181, 0.3531



39.1874, 0.3276, 0.5781



3.8786, 0.3364, 0.5711



# Inverse Universe

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



49.6328, 0.2866, 0.2351



42.8631, 0.2801, 0.2161



55.7608, 0.3213, 0.2482



17.8874, 0.3069, 0.3051



7.0076, 0.2161, 0.0964

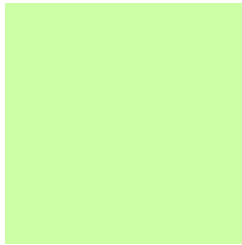


0.7469, 0.2275, 0.1027



# Previews

## White Background



This preview shows how the Yxy color 87.2892, 0.3312, 0.4257 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

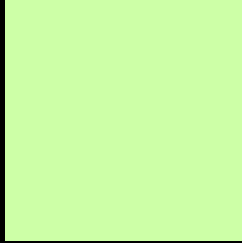
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.2892, 0.3312, 0.4257 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

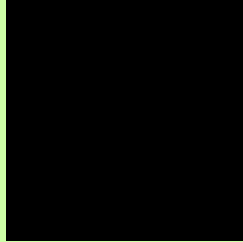
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

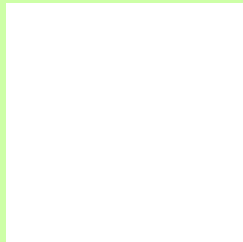
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.2892, 0.3312, 0.4257**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.2892, 0.3312, 0.4257.

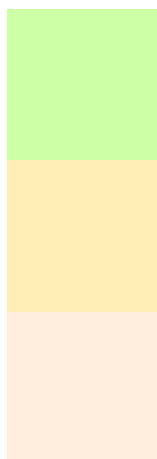


This preview shows how white text looks on a background with the Yxy color 87.2892, 0.3312, 0.4257.

# 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

87.2892, 0.3312, 0.4257

### Protanopia

86.4119, 0.3596, 0.3853

### Deuteranopia

86.4714, 0.3353, 0.3439



## Tritanopia

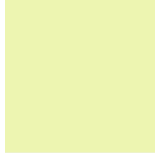
87.0552, 0.2956, 0.3158

# Trichromacy



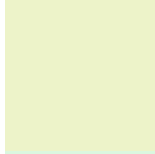
## Original Color

87.2892, 0.3312, 0.4257



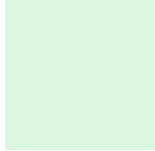
## Protanomaly

86.4837, 0.3491, 0.3998



## Deuteranomaly

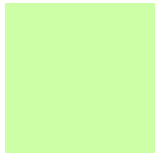
86.3228, 0.3346, 0.3726



## Tritanomaly

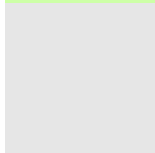
86.9093, 0.3090, 0.3543

# Monochromacy



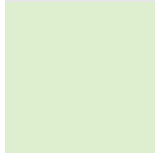
## Original Color

87.2892, 0.3312, 0.4257



## Achromatopsia

79.1298, 0.3127, 0.3290



## Achromatomaly

81.6101, 0.3204, 0.3634

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.2892, 0.3312, 0.4257 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(205, 255, 167)` looks like.

```
.text, #text, p{  
    color:rgb(205, 255, 167)  
}
```

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(205, 255, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 255, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 87.2892, 0.3312, 0.4257 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(205, 255, 167) }
```

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

```
.border{ border-color:rgb(205, 255, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 255, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 255, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 255, 167);  
box-shadow:4px 4px 4px 4px rgb(205, 255,  
167) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.2892, 0.3312, 0.4257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 255, 167) }
```

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

```
.background{ background-color: rgb(205,  
255, 167) }
```

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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