

# Converting Colors

$Y_{xy}(162.5953, 0.3172, 0.4930)$

Have a look what the booklet for  
Yxy(162.5953, 0.3172, 0.4930)  
contains.

<b>Yxy(86.5894, 0.3280, 0.4267)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(86.5894, 0.3280, 0.4267)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8FFA7
RGB	200, 255, 167
RGB Percent	78%, 100%, 65%
CMY	0.2156, 0.0000, 0.3450
CMYK	0.22, 0.00, 0.34, 0.00
HSL	97°, 100%, 83%
HSV	97°, 34%, 100%
XYZ	66.5604, 86.5894, 49.7783
YIQ	228.5230, -4.5320, -39.0280

# Conversions

## Conversions Part 2

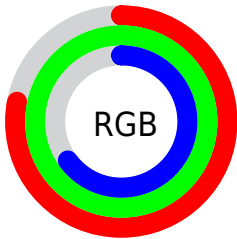
Format	Color
<a href="#">RYB</a>	<a href="#">167, 255, 222</a>
Decimal	<a href="#">13172647</a>
CIELab	<a href="#">94.56, -32.55, 36.56</a>
CIElCh	<a href="#">95, 48.950, 131.687</a>
Yxy	<a href="#">86.5894, 0.3280, 0.4267</a>
Android (android.graphics.Color)	<a href="#">4291362727</a> ( <a href="#">0xFFC8FFA7</a> )
YUV	<a href="#">228.5230, -30.3308, -25.0147</a>
Hunter-Lab	<a href="#">93.0534, -35.1638, 33.4206</a>

# Details

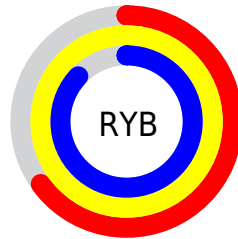
The Yxy color **86.5894, 0.3280, 0.4267** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.4000, 0.2904, 0.2361**, and the grayscale version is **78.2217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **47.6228, 0.3299, 0.4501** is the 20% darker color. If you saturate the color by 10%, you get **83.6594, 0.3311, 0.4586**, and if you desaturate by 10%, it is **89.9416, 0.3241, 0.3958**.

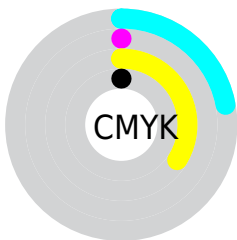
# Distribution



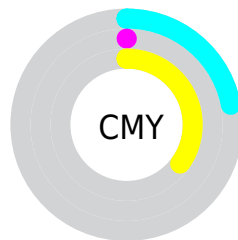
- Red (78%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (87%)



- Cyan (22%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.5894, 0.3280, 0.4267 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 86.5894, 0.3280, 0.4267 by changing the saturation by 10% instead.




 86.5894, 0.3280,  
0.4267

 86.5894, 0.3280,  
0.4267


516.8727, 0.3226,  
0.3808

 65.1555, 0.3288,  
0.4372


 142.5917, 0.3265,  
0.4107

 47.5872, 0.3295,  
0.4502


 177.9288, 0.3258,  
0.4045

 33.5001, 0.3301,  
0.4666


218.6692, 0.3251,  
0.3992

 22.5098, 0.3302,  
0.4879

265.1971, 0.3245,  
0.3946

 14.2320, 0.3292,  
0.5165

317.8971, 0.3240,  
0.3905

 8.2822, 0.3253,  
0.5561


377.1534, 0.3235,

 4.2760, 0.3188,


0.3869


0.6223


443.3504, 0.3230,  
0.3837


 1.8291, 0.2874,  
0.7126


 0.5052, 0.0000,  
1.0000


 86.5894, 0.3280,  
0.4267


 86.5894, 0.3280,  
0.4267


 83.6594, 0.3311,  
0.4586


 89.9416, 0.3241,  
0.3958

 81.1223, 0.3329,  
0.4902

 93.7216, 0.3196,  
0.3668

 78.9626, 0.3331,  
0.5197

 97.9488, 0.3149,  
0.3401

 77.1588, 0.3315,  
0.5453

99.9999, 0.3127,  
0.3290

■ 75.6869, 0.3281,  
0.5654

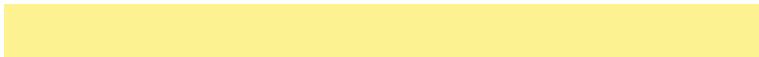
■ 74.5185, 0.3231,  
0.5789

■ 73.9865, 0.3201,  
0.5841

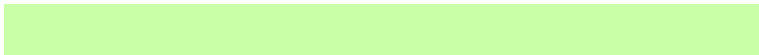
# Harmonies

## Analogous

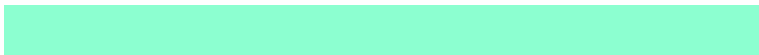
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5894, 0.3799, 0.4257



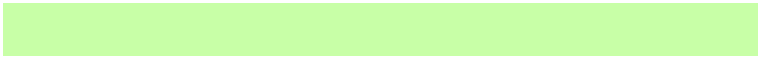
86.5894, 0.3280, 0.4267



86.5894, 0.2746, 0.3930

# Triad

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



86.5894, 0.3280, 0.4267



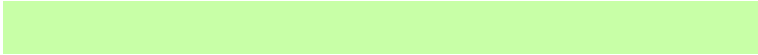
86.5894, 0.2177, 0.2528



86.5894, 0.3966, 0.3130

# Complementary

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



86.5894, 0.3280, 0.4267



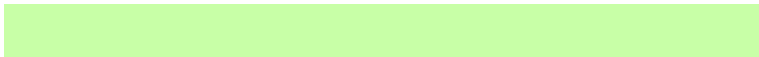
50.4000, 0.2904, 0.2361

# Split Complementary

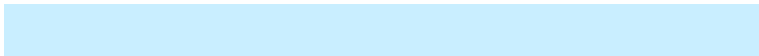
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.5894, 0.3461, 0.2754



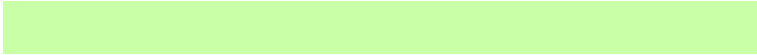
86.5894, 0.3280, 0.4267



86.5894, 0.2439, 0.2412

# Square

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



86.5894, 0.3280, 0.4267



86.5894, 0.2140, 0.2861



86.5894, 0.2896, 0.2499

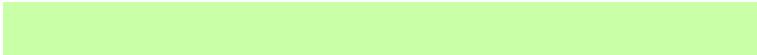


86.5894, 0.4226, 0.3562



# Rectangle

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



86.5894, 0.3280, 0.4267



86.5894, 0.2452, 0.3571



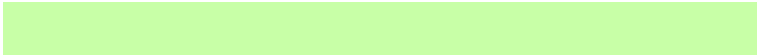
86.5894, 0.2896, 0.2499



86.5894, 0.3817, 0.2995

# Sweetspot

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



86.5931, 0.3280, 0.4267



95.5668, 0.3175, 0.3545



75.9112, 0.3757, 0.3846



20.3297, 0.3181, 0.3583



0.0000, 0.0000, 0.0000

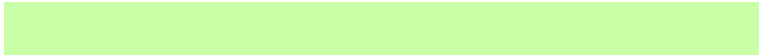


21.4041, 0.3127, 0.3290

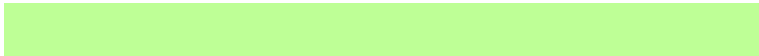


# Same Dimension

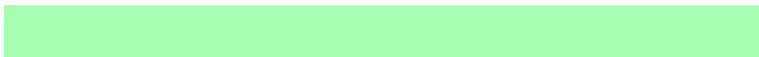
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.5931, 0.3280, 0.4267



84.6396, 0.3301, 0.4474



82.9248, 0.3026, 0.4205



20.4999, 0.3173, 0.3532



38.7377, 0.3212, 0.5832



3.8317, 0.3299, 0.5762



# Inverse Universe

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



50.4000, 0.2904, 0.2361



43.7440, 0.2849, 0.2176



55.4852, 0.3249, 0.2521



17.9401, 0.3078, 0.3051



7.7321, 0.2286, 0.1033

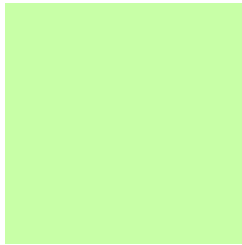


0.8153, 0.2390, 0.1090



# Previews

## White Background



This preview shows how the Yxy color 86.5894, 0.3280, 0.4267 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 86.5894, 0.3280, 0.4267 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

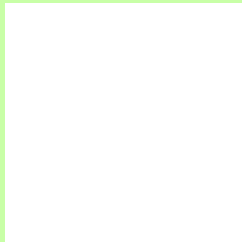
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.5894, 0.3280, 0.4267**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.5894, 0.3280, 0.4267.

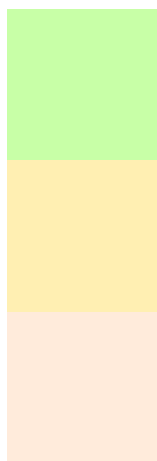


This preview shows how white text looks on a background with the Yxy color 86.5894, 0.3280, 0.4267.

# 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

86.5894, 0.3280, 0.4267

### Protanopia

86.2074, 0.3628, 0.3903

### Deuteranopia

85.7911, 0.3367, 0.3450



## Tritanopia

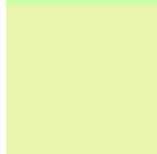
86.4122, 0.2931, 0.3157

# Trichromacy



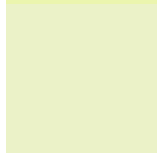
## Original Color

86.5894, 0.3280, 0.4267



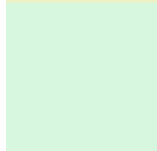
## Protanomaly

86.0230, 0.3495, 0.4033



## Deuteranomaly

85.3366, 0.3340, 0.3729



## Tritanomaly

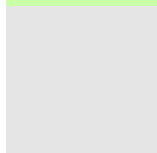
86.2963, 0.3065, 0.3545

# Monochromacy



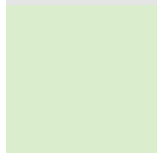
## Original Color

86.5894, 0.3280, 0.4267



## Achromatopsia

78.3538, 0.3127, 0.3290



## Achromatomaly

80.5107, 0.3191, 0.3637

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.5894, 0.3280, 0.4267 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(200, 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(200, 255, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 86.5894, 0.3280, 0.4267 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, 167) }
```

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

```
.border{ border-color:rgb(200, 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(200, 255, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 167);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
167) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.5894, 0.3280, 0.4267 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, 167) }
```

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

```
.background{ background-color: rgb(200,  
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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