

# Converting Colors

$Yxy(86.1023, 0.3449, 0.4119)$

Have a look what the booklet for  
Yxy(86.1023, 0.3449, 0.4119)  
contains.

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# Color

**Yxy(86.2058, 0.3450, 0.4120)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2F8AA
RGB	226, 248, 170
RGB Percent	89%, 97%, 67%
CMY	0.1137, 0.0274, 0.3335
CMYK	0.09, 0.00, 0.31, 0.03
HSL	77°, 85%, 82%
HSV	77°, 31%, 97%
XYZ	72.1869, 86.2058, 50.8447
YIQ	232.5300, 11.9260, -28.9220

# Conversions

## Conversions Part 2

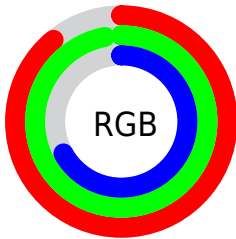
Format	Color
<a href="#">RYB</a>	<a href="#">170, 248, 192</a>
Decimal	<a href="#">14874794</a>
CIELab	<a href="#">94.40, -19.68, 35.18</a>
CIELCh	<a href="#">94, 40.309, 119.217</a>
Yxy	<a href="#">86.2058, 0.3450, 0.4120</a>
Android (android.graphics.Color)	<a href="#">4293064874 (0xFFE2F8AA)</a>
YUV	<a href="#">232.5300, -30.8273, -5.7268</a>
Hunter-Lab	<a href="#">92.8471, -23.7019, 32.5247</a>

# Details

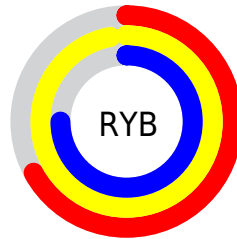
The Yxy color **86.2058, 0.3450, 0.4120** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.7132, 0.2723, 0.2398**, and the grayscale version is **81.3443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **47.5297, 0.3508, 0.4316** is the 20% darker color. If you saturate the color by 10%, you get **84.2511, 0.3543, 0.4395**, and if you desaturate by 10%, it is **88.3912, 0.3349, 0.3845**.

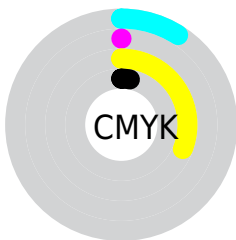
# Distribution



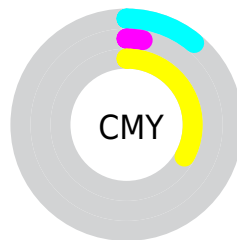
- Red (89%)
- Green (97%)
- Blue (67%)



- Red (67%)
- Yellow (97%)
- Blue (75%)



- Cyan (9%)
- Magenta (0%)
- Yellow (31%)
- Black (3%)




- Cyan (11%)
- Magenta (3%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.2058, 0.3450, 0.4120 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 86.2058, 0.3450, 0.4120 by changing the saturation by 10% instead.




 86.2058, 0.3450,  
0.4120

 86.2058, 0.3450,  
0.4120

515.6096, 0.3315,  
0.3737

 64.8382, 0.3477,  
0.4206


 142.0566, 0.3406,  
0.3988

 47.3299, 0.3508,  
0.4312


177.3086, 0.3388,  
0.3936

 33.2965, 0.3545,  
0.4444


217.9575, 0.3372,  
0.3892

 22.3537, 0.3587,  
0.4614

264.3878, 0.3358,  
0.3853

 14.1170, 0.3633,  
0.4838

316.9837, 0.3346,  
0.3819

 8.2021, 0.3677,  
0.5143


376.1297, 0.3334,


 4.2245, 0.3732,


0.3788


0.5626


442.2102, 0.3324,  
0.3761


 1.7999, 0.3684,  
0.6316


 0.4871, 0.0000,  
1.0000

 86.2058, 0.3450,  
0.4120


 86.2058, 0.3450,  
0.4120


 84.2511, 0.3543,  
0.4395


 88.3912, 0.3349,  
0.3845

 82.5051, 0.3622,  
0.4659


 90.8057, 0.3246,  
0.3578


 80.9602, 0.3684,  
0.4901


 93.4620, 0.3142,  
0.3326


 79.6035, 0.3722,  
0.5108

 95.4227, 0.3124,  
0.3223

 78.4203, 0.3735,  
0.5271

 95.6180, 0.3130,  
0.3223

 77.3930, 0.3722,  
0.5385

 76.6169, 0.3695,  
0.5448

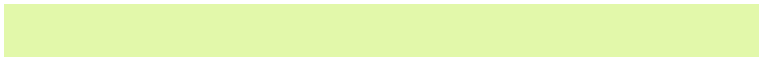
# Harmonies

## Analogous

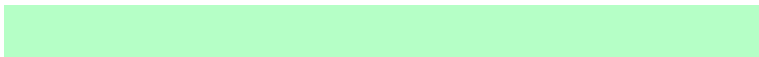
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.2058, 0.3835, 0.4021



86.2058, 0.3450, 0.4120



86.2058, 0.2995, 0.3953

# Triad

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



86.2058, 0.3450, 0.4120



86.2058, 0.2292, 0.2755



86.2058, 0.3663, 0.3020

# Complementary

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



86.2058, 0.3450, 0.4120



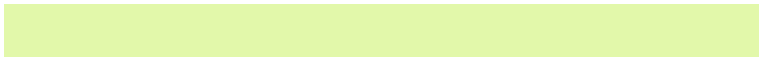
46.7132, 0.2723, 0.2398

# Split Complementary

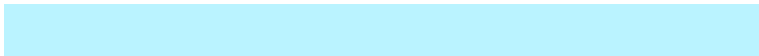
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.2058, 0.3210, 0.2735



86.2058, 0.3450, 0.4120



86.2058, 0.2438, 0.2574

# Square

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



86.2058, 0.3450, 0.4120



86.2058, 0.2346, 0.3108



86.2058, 0.2763, 0.2574

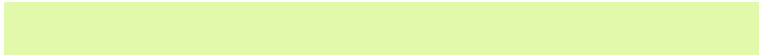


86.2058, 0.3974, 0.3376

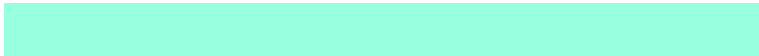


# Rectangle

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



86.2058, 0.3450, 0.4120



86.2058, 0.2716, 0.3708



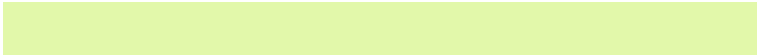
86.2058, 0.2763, 0.2574



86.2058, 0.3520, 0.2914

# Sweetspot

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



86.2096, 0.3450, 0.4120



97.4030, 0.3220, 0.3515



60.0210, 0.3780, 0.3515



20.7627, 0.3235, 0.3552



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

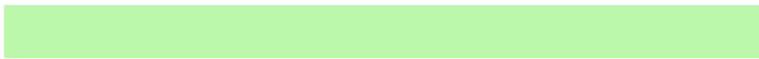
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.2096, 0.3450, 0.4120



90.4360, 0.3512, 0.4302



80.7520, 0.3197, 0.4190



19.9306, 0.3225, 0.3527



41.4608, 0.3703, 0.5442



3.8933, 0.3763, 0.5394



# Inverse Universe

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



46.7132, 0.2723, 0.2398



42.0727, 0.2618, 0.2185



52.3018, 0.3017, 0.2470



16.8798, 0.3023, 0.3048



4.4227, 0.1679, 0.0698

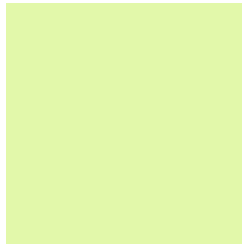


0.4605, 0.1800, 0.0765



# Previews

## White Background



This preview shows how the Yxy color 86.2058, 0.3450, 0.4120 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 86.2058, 0.3450, 0.4120 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

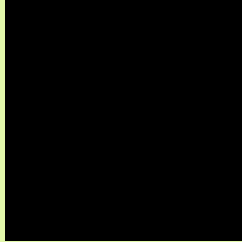
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

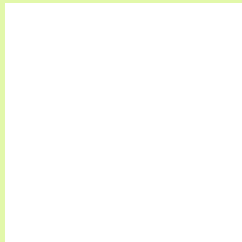
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.2058, 0.3450, 0.4120**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.2058, 0.3450, 0.4120.

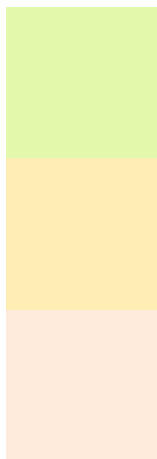


This preview shows how white text looks on a background with the Yxy color 86.2058, 0.3450, 0.4120.

# 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

86.2058, 0.3450, 0.4120

### Protanopia

85.6637, 0.3625, 0.3884

### Deuteranopia

85.7911, 0.3367, 0.3450



## Tritanopia

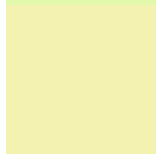
85.9655, 0.3025, 0.3111

# Trichromacy



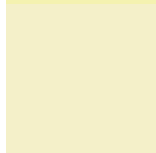
## Original Color

86.2058, 0.3450, 0.4120



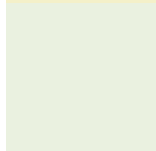
## Protanomaly

85.8719, 0.3554, 0.3969



## Deuteranomaly

85.7703, 0.3399, 0.3690



## Tritanomaly

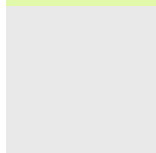
85.7848, 0.3185, 0.3465

# Monochromacy



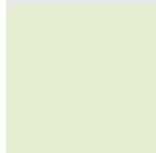
## Original Color

86.2058, 0.3450, 0.4120



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

82.6252, 0.3248, 0.3586

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.2058, 0.3450, 0.4120 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(226, 248, 170)` looks like.

```
.text, #text, p{  
    color:rgb(226, 248, 170)  
}
```

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(226, 248, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 248, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 86.2058, 0.3450, 0.4120 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(226, 248, 170) }
```

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

```
.border{ border-color:rgb(226, 248, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 248, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 248, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 248, 170);  
box-shadow:4px 4px 4px 4px rgb(226, 248,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.2058, 0.3450, 0.4120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 248, 170) }
```

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

```
.background{ background-color: rgb(226,  
248, 170) }
```

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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