

Converting Colors

Yxy(86.9644, 0.3081, 0.3943)

Have a look what the booklet for
Yxy(86.9644, 0.3081, 0.3943)
contains.

| | |
|---|----|
| Yxy(86.9749, 0.3084, 0.3947) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(86.9749, 0.3084, 0.3947)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | C2FFC4 |
| RGB | 194, 255, 196 |
| RGB Percent | 76%, 100%, 77% |
| CMY | 0.2395, 0.0000, 0.2314 |
| CMYK | 0.24, 0.00, 0.23, 0.00 |
| HSL | 122°, 100%, 88% |
| HSV | 122°, 24%, 100% |
| XYZ | 67.9581, 86.9749, 65.4240 |
| YIQ | 230.0350, -17.4170, -31.2810 |

Conversions

Conversions Part 2

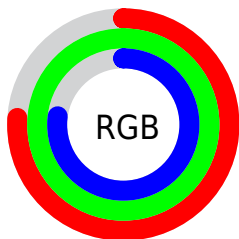
| Format | Color |
|-------------------------------------|--|
| RYB | 194, 253, 255 |
| Decimal | 12779460 |
| CIELab | 94.73, -30.17, 22.14 |
| CIElCh | 95, 37.427, 143.729 |
| Yxy | 86.9749, 0.3084, 0.3947 |
| Android (android.graphics.Color) | 4290969540 (0xFFC2FFC4) |
| YUV | 230.0350, -16.7793, -31.6027 |
| Hunter-Lab | 93.2603, -33.1340, 23.6891 |

Details

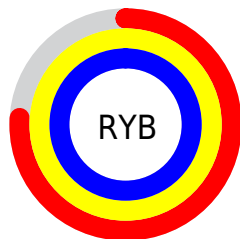
The Yxy color **86.9749, 0.3084, 0.3947** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.9023, 0.3170, 0.2711**, and the grayscale version is **79.2771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1211, 0.3114, 0.3309**, and **47.8301, 0.3067, 0.4106** is the 20% darker color. If you saturate the color by 10%, you get **82.8462, 0.3064, 0.4275**, and if you desaturate by 10%, it is **91.8483, 0.3103, 0.3649**.

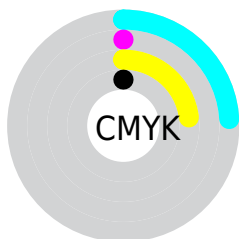
Distribution



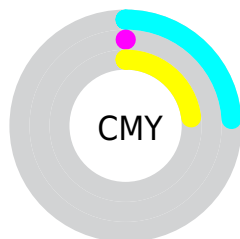
- Red (76%)
- Green (100%)
- Blue (77%)



- Red (76%)
- Yellow (99%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.9749, 0.3084, 0.3947 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 86.9749, 0.3084, 0.3947 by changing the saturation by 10% instead.

 86.9749, 0.3084,
0.3947

 86.9749, 0.3084,
0.3947


518.1404, 0.3110,
0.3640

 65.4744, 0.3077,
0.4018


 143.1292, 0.3094,
0.3840

 47.8459, 0.3067,
0.4105

178.5517, 0.3098,
0.3798

 33.7049, 0.3053,
0.4217


219.3838, 0.3101,
0.3763

 22.6670, 0.3033,
0.4363

266.0098, 0.3103,
0.3732

 14.3478, 0.3003,
0.4562

318.8140, 0.3105,
0.3705

 8.3630, 0.2952,
0.4849

378.1809, 0.3107,


 4.3281, 0.2857,

0.3680


0.5293


444.4949, 0.3109,
0.3659

 1.8587, 0.2805,
0.6412


 0.5234, 0.0000,
1.0000


 86.9749, 0.3084,
0.3947


 86.9749, 0.3084,
0.3947

 82.8462, 0.3064,
0.4275


 91.8483, 0.3103,
0.3649

 79.4512, 0.3045,
0.4624

 97.5298, 0.3121,
0.3385

 76.7389, 0.3027,
0.4977

100.0000, 0.3127,
0.3290

 74.6630, 0.3012,
0.5310

■ 73.1716, 0.3001,
0.5597

■ 72.2047, 0.2996,
0.5814

■ 71.6891, 0.2996,
0.5945

■ 71.5388, 0.2996,
0.5986

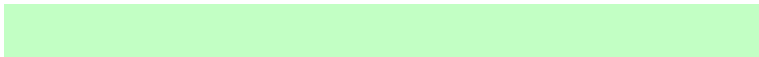
Harmonies

Analogous

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



86.9749, 0.3503, 0.4057



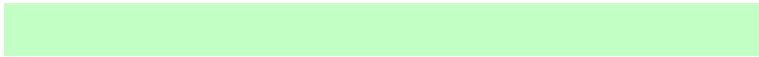
86.9749, 0.3084, 0.3947



86.9749, 0.2694, 0.3616

Triad

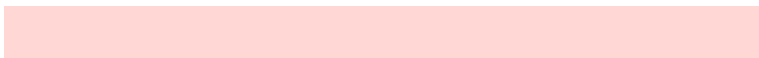
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.9749, 0.3084, 0.3947



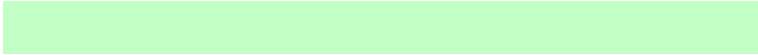
86.9749, 0.2448, 0.2643



86.9749, 0.3873, 0.3310

Complementary

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



86.9749, 0.3084, 0.3947



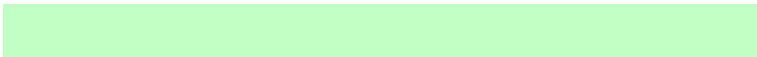
66.9023, 0.3170, 0.2711

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.



86.9749, 0.3553, 0.2984



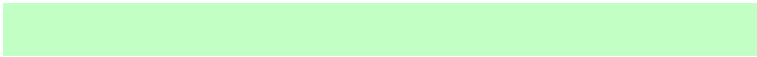
86.9749, 0.3084, 0.3947



86.9749, 0.2724, 0.2611

Square

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



86.9749, 0.3084, 0.3947



86.9749, 0.2345, 0.2845



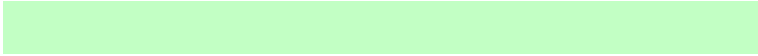
86.9749, 0.3125, 0.2735



86.9749, 0.3976, 0.3651

Rectangle

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



86.9749, 0.3084, 0.3947



86.9749, 0.2500, 0.3336



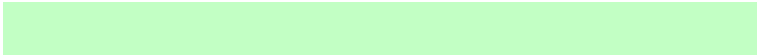
86.9749, 0.3125, 0.2735



86.9749, 0.3787, 0.3196

Sweetspot

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



86.9657, 0.3084, 0.3947



95.7088, 0.3115, 0.3462



96.2880, 0.3477, 0.3893



20.4105, 0.3114, 0.3477



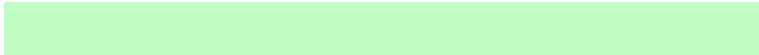
0.0000, 0.0000, 0.0000



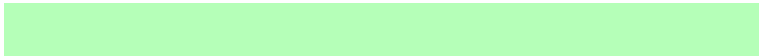
21.4041, 0.3127, 0.3290

Same Dimension

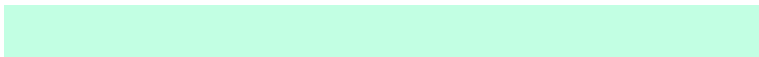
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9657, 0.3084, 0.3947



84.7913, 0.3074, 0.4109



88.4992, 0.2919, 0.3599



20.1781, 0.3111, 0.3527



37.3849, 0.2994, 0.5980



3.6434, 0.2981, 0.5931

Inverse Universe

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



66.9023, 0.3170, 0.2711



61.3887, 0.3180, 0.2588



65.1112, 0.3400, 0.3001



18.2892, 0.3143, 0.3064



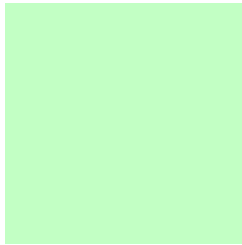
14.6034, 0.3295, 0.1589



1.4251, 0.3285, 0.1583

Previews

White Background



This preview shows how the Yxy color 86.9749, 0.3084, 0.3947 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 86.9749, 0.3084, 0.3947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

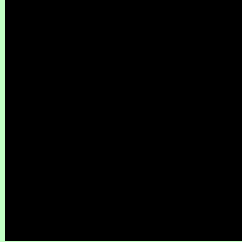
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

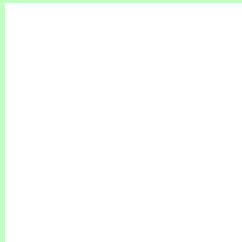
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.9749, 0.3084, 0.3947

Background



This preview shows how black text looks on a background with the Yxy color 86.9749, 0.3084, 0.3947.

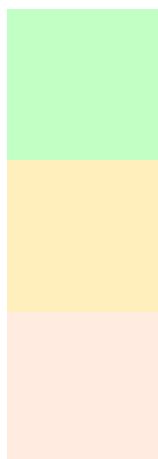


This preview shows how white text looks on a background with the Yxy color 86.9749, 0.3084, 0.3947.

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

86.9749, 0.3084, 0.3947

Protanopia

86.4347, 0.3556, 0.3803

Deuteranopia

86.0585, 0.3334, 0.3400



Tritanopia

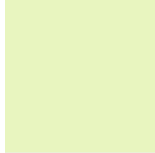
86.5368, 0.2913, 0.3167

Trichromacy



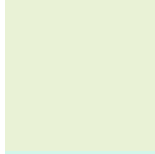
Original Color

86.9749, 0.3084, 0.3947



Protanomaly

86.2222, 0.3370, 0.3857



Deuteranomaly

85.6829, 0.3239, 0.3581



Tritanomaly

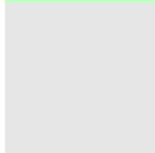
86.3109, 0.2977, 0.3427

Monochromacy



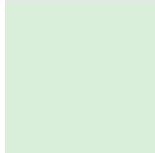
Original Color

86.9749, 0.3084, 0.3947



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.5467, 0.3110, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9749, 0.3084, 0.3947 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(194, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(194, 255, 196)  
}
```

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(194, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 196) }
```

Border

The CSS property to change the border of an element to Yxy 86.9749, 0.3084, 0.3947 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(194, 255, 196) }
```

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

```
.border{ border-color:rgb(194, 255, 196) }
```

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

Here you see how a box with a 4 pixel rgb(194, 255, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(194, 255,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9749, 0.3084, 0.3947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 255, 196) }
```

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

```
.background{ background-color: rgb(194,  
255, 196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor