

Converting Colors

$Yxy(86.3073, 0.3057, 0.3957)$

Have a look what the booklet for
Yxy(86.3073, 0.3057, 0.3957)
contains.

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Color

Yxy(86.3243, 0.3054, 0.3952)

Conversions

Conversions Part 1

Format	Color
Hex	BDFFC4
RGB	189, 255, 196
RGB Percent	74%, 100%, 77%
CMY	0.2589, 0.0000, 0.2312
CMYK	0.26, 0.00, 0.23, 0.00
HSL	126°, 100%, 87%
HSV	126°, 26%, 100%
XYZ	66.7091, 86.3243, 65.3985
YIQ	228.5400, -20.3970, -32.3410

Conversions

Conversions Part 2

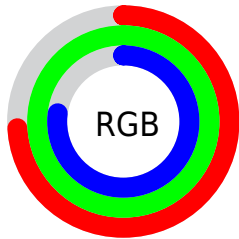
Format	Color
RYB	189, 249, 255
Decimal	12451780
CIELab	94.45, -31.74, 21.69
CIELCh	94, 38.439, 145.655
Yxy	86.3243, 0.3054, 0.3952
Android (android.graphics.Color)	4290641860 (0xFFBDFFC4)
YUV	228.5400, -16.0422, -34.6766
Hunter-Lab	92.9109, -34.4327, 23.3043

Details

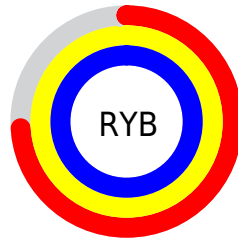
The Yxy color **86.3243, 0.3054, 0.3952** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.4164, 0.3209, 0.2707**, and the grayscale version is **78.1275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2047, 0.3083, 0.3309**, and **47.4095, 0.3030, 0.4115** is the 20% darker color. If you saturate the color by 10%, you get **82.3846, 0.3026, 0.4260**, and if you desaturate by 10%, it is **90.9923, 0.3083, 0.3672**.

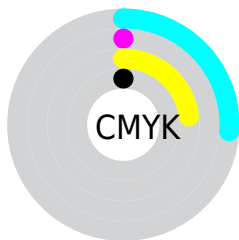
Distribution



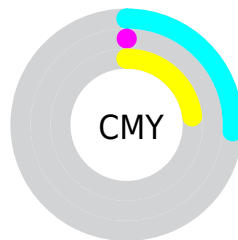
- Red (74%)
- Green (100%)
- Blue (77%)



- Red (74%)
- Yellow (98%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)



- Cyan (26%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.3243, 0.3054, 0.3952 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 86.3243, 0.3054, 0.3952 by changing the saturation by 10% instead.

 86.3243, 0.3054,
0.3952

 86.3243, 0.3054,
0.3952

515.9999, 0.3094,
0.3642

 64.9362, 0.3044,
0.4024


 142.2220, 0.3069,
0.3844

 47.4093, 0.3030,
0.4113


177.5003, 0.3074,
0.3802

 33.3594, 0.3011,
0.4226


218.1774, 0.3079,
0.3766

 22.4019, 0.2986,
0.4374

264.6379, 0.3083,
0.3734

 14.1525, 0.2947,
0.4578

317.2659, 0.3086,
0.3707

 8.2268, 0.2884,
0.4872

376.4460, 0.3089,

 4.2404, 0.2772,

0.3683

0.5329

442.5626, 0.3092,
0.3661

■ 1.8089, 0.2682,
0.6506

■ 0.4927, 0.0000,
1.0000

■ 86.3243, 0.3054,
0.3952

■ 86.3243, 0.3054,
0.3952

■ 82.3846, 0.3026,
0.4260

■ 90.9923, 0.3083,
0.3672

■ 79.1396, 0.3001,
0.4587

■ 96.4264, 0.3111,
0.3422

■ 76.5477, 0.2981,
0.4920

100.0000, 0.3127,
0.3290

■ 74.5644, 0.2968,
0.5239

■ 73.1396, 0.2963,
0.5522

■ 72.2150, 0.2967,
0.5746

■ 71.7192, 0.2979,
0.5898

■ 71.6006, 0.2983,
0.5940

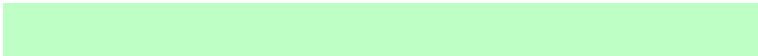
Harmonies

Analogous

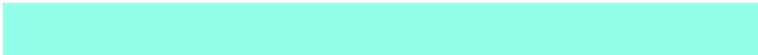
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3243, 0.3486, 0.4081



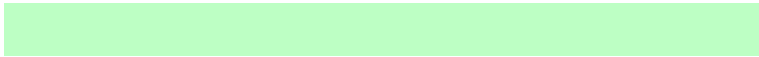
86.3243, 0.3054, 0.3952



86.3243, 0.2659, 0.3599

Triad

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



86.3243, 0.3054, 0.3952



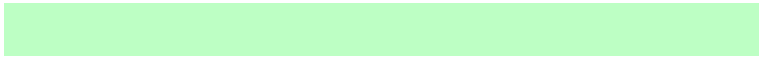
86.3243, 0.2442, 0.2617



86.3243, 0.3910, 0.3332

Complementary

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



86.3243, 0.3054, 0.3952



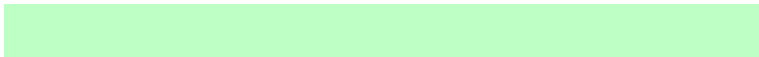
64.4164, 0.3209, 0.2707

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.



86.3243, 0.3591, 0.2995



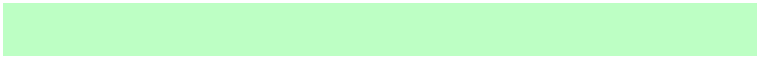
86.3243, 0.3054, 0.3952



86.3243, 0.2736, 0.2596

Square

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



86.3243, 0.3054, 0.3952



86.3243, 0.2324, 0.2813



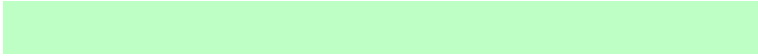
86.3243, 0.3153, 0.2734



86.3243, 0.3999, 0.3681

Rectangle

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



86.3243, 0.3054, 0.3952



86.3243, 0.2467, 0.3309



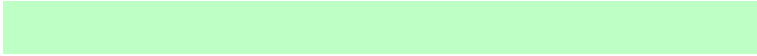
86.3243, 0.3153, 0.2734



86.3243, 0.3826, 0.3215

Sweetspot

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



86.3231, 0.3054, 0.3952



95.2161, 0.3105, 0.3472



95.2221, 0.3475, 0.3949



20.1998, 0.3101, 0.3509



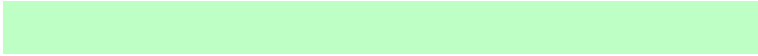
0.0000, 0.0000, 0.0000



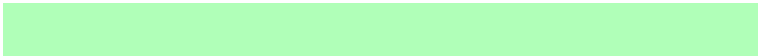
21.4041, 0.3127, 0.3290

Same Dimension

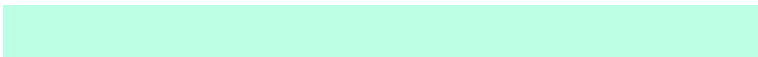
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3231, 0.3054, 0.3952



84.2226, 0.3040, 0.4106



87.9696, 0.2881, 0.3578



20.1998, 0.3101, 0.3509



37.4230, 0.2979, 0.5926



3.6536, 0.2941, 0.5787

Inverse Universe

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



64.4164, 0.3209, 0.2707



58.9774, 0.3228, 0.2592



62.5698, 0.3463, 0.3020



18.2649, 0.3155, 0.3080



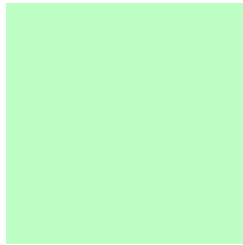
14.0398, 0.3500, 0.1702



1.3762, 0.3462, 0.1681

Previews

White Background



This preview shows how the Yxy color 86.3243, 0.3054, 0.3952 looks on a white background.

Color Contrast Check

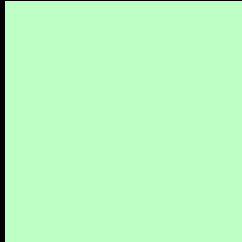
Large Text (above 18pt) WCAG AA × Fail

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 86.3243, 0.3054, 0.3952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

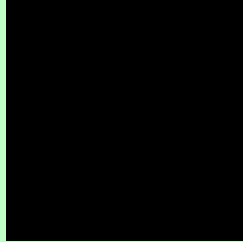
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

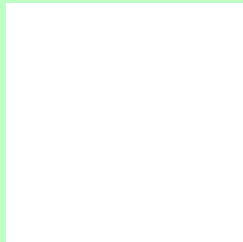
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.3243, 0.3054, 0.3952

Background



This preview shows how black text looks on a background with the Yxy color 86.3243, 0.3054, 0.3952.

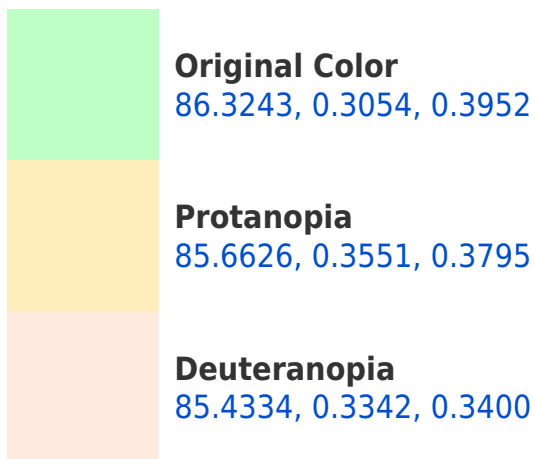


This preview shows how white text looks on a background with the Yxy color 86.3243, 0.3054, 0.3952.

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





Tritanopia

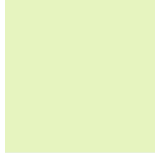
86.0729, 0.2895, 0.3166

Trichromacy



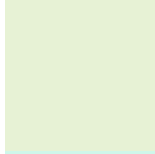
Original Color

86.3243, 0.3054, 0.3952



Protanomaly

85.2859, 0.3358, 0.3850



Deuteranomaly

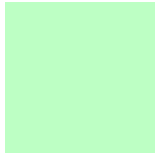
85.2973, 0.3232, 0.3593



Tritanomaly

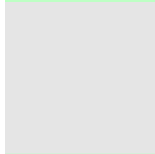
85.7274, 0.2953, 0.3428

Monochromacy



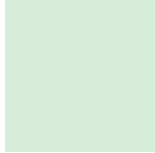
Original Color

86.3243, 0.3054, 0.3952



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.4550, 0.3097, 0.3518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3243, 0.3054, 0.3952 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(189, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(189, 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(189, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 196) }
```

Border

The CSS property to change the border of an element to Yxy 86.3243, 0.3054, 0.3952 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(189, 255, 196) }
```

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

```
.border{ border-color:rgb(189, 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(189, 255, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3243, 0.3054, 0.3952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 196) }
```

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

```
.background{ background-color: rgb(189,  
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](#).

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