

Converting Colors

$Y_{xy}(132.7348, 0.3051, 0.4519)$

Have a look what the booklet for
Yxy(132.7348, 0.3051, 0.4519)
contains.

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Color

Yxy(86.1891, 0.3071, 0.3987)

Conversions

Conversions Part 1

Format	Color
Hex	<code>BDFFC1</code>
RGB	189, 255, 193
RGB Percent	74%, 100%, 76%
CMY	0.2585, 0.0000, 0.2431
CMYK	0.26, 0.00, 0.24, 0.00
HSL	124°, 100%, 87%
HSV	124°, 26%, 100%
XYZ	66.3874, 86.1891, 63.5988
YIQ	228.1980, -19.4340, -33.2740

Conversions

Conversions Part 2

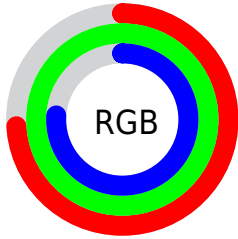
Format	Color
RYB	189, 251, 255
Decimal	12451777
CIELab	94.39, -32.20, 23.15
CIELCh	94, 39.661, 144.290
Yxy	86.1891, 0.3071, 0.3987
Android (android.graphics.Color)	4290641857 (0xFFBDFFC1)
YUV	228.1980, -17.3526, -34.3766
Hunter-Lab	92.8381, -34.8234, 24.3700

Details

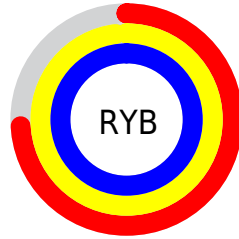
The Yxy color **86.1891, 0.3071, 0.3987** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.6546, 0.3186, 0.2680**, and the grayscale version is **77.8894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0150, 0.3100, 0.3338**, and **47.3206, 0.3050, 0.4160** is the 20% darker color. If you saturate the color by 10%, you get **82.2269, 0.3048, 0.4311**, and if you desaturate by 10%, it is **90.9053, 0.3094, 0.3691**.

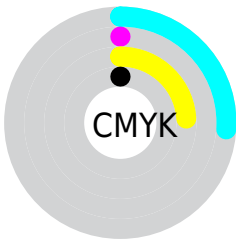
Distribution



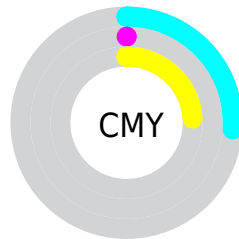
- Red (74%)
- Green (100%)
- Blue (76%)



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



- Cyan (26%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.1891, 0.3071, 0.3987 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 86.1891, 0.3071, 0.3987 by changing the saturation by 10% instead.


 86.1891, 0.3071,
0.3987

 86.1891, 0.3071,
0.3987

515.5545, 0.3104,
0.3660

 64.8244, 0.3062,
0.4063


 142.0333, 0.3084,
0.3873

 47.3187, 0.3050,
0.4157


177.2816, 0.3088,
0.3828

 33.2876, 0.3033,
0.4276


217.9266, 0.3092,
0.3790

 22.3469, 0.3009,
0.4433

264.3525, 0.3095,
0.3757

 14.1120, 0.2972,
0.4648

316.9439, 0.3098,
0.3729

 8.1986, 0.2912,
0.4958

376.0851, 0.3100,

 4.2223, 0.2799,

0.3703

0.5439

442.1605, 0.3102,
0.3680

■ 1.7987, 0.2755,
0.6804

■ 0.4863, 0.0000,
1.0000

■ 86.1891, 0.3071,
0.3987

■ 86.1891, 0.3071,
0.3987

■ 82.2269, 0.3048,
0.4311

■ 90.9053, 0.3094,
0.3691

■ 78.9695, 0.3027,
0.4654

■ 96.4003, 0.3115,
0.3428

■ 76.3787, 0.3009,
0.4999

99.9929, 0.3127,
0.3290

■ 74.4084, 0.2995,
0.5324

■ 73.0066, 0.2987,
0.5603

■ 72.1127, 0.2986,
0.5813

■ 71.6523, 0.2991,
0.5942

■ 71.5481, 0.2993,
0.5974

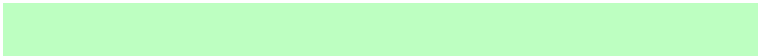
Harmonies

Analogous

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



86.1891, 0.3516, 0.4107



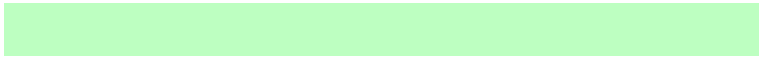
86.1891, 0.3071, 0.3987



86.1891, 0.2660, 0.3629

Triad

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



86.1891, 0.3071, 0.3987



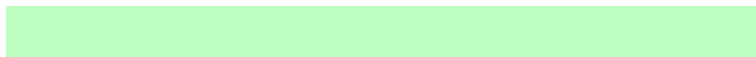
86.1891, 0.2412, 0.2602



86.1891, 0.3925, 0.3316

Complementary

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



86.1891, 0.3071, 0.3987



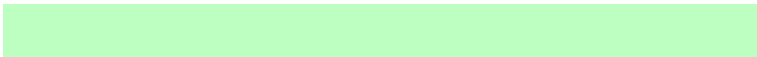
64.6546, 0.3186, 0.2680

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.



86.1891, 0.3587, 0.2972



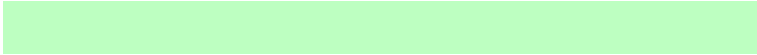
86.1891, 0.3071, 0.3987



86.1891, 0.2706, 0.2573

Square

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



86.1891, 0.3071, 0.3987



86.1891, 0.2300, 0.2810



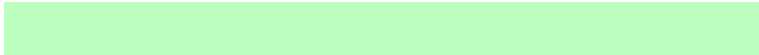
86.1891, 0.3132, 0.2708



86.1891, 0.4029, 0.3676

Rectangle

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



86.1891, 0.3071, 0.3987



86.1891, 0.2458, 0.3329



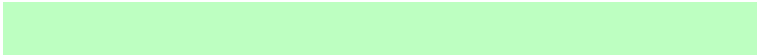
86.1891, 0.3132, 0.2708



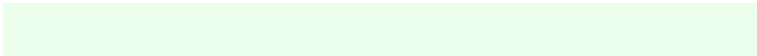
86.1891, 0.3834, 0.3196

Sweetspot

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



86.1927, 0.3071, 0.3987



95.1598, 0.3111, 0.3482



95.8286, 0.3497, 0.3943



20.1858, 0.3107, 0.3521



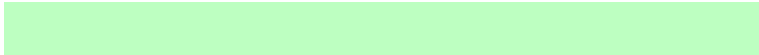
0.0000, 0.0000, 0.0000



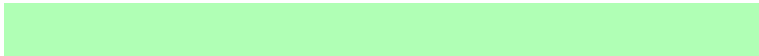
21.4041, 0.3127, 0.3290

Same Dimension

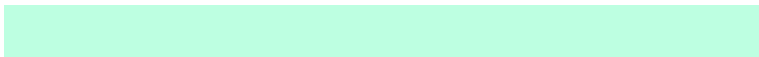
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1927, 0.3071, 0.3987



84.0672, 0.3059, 0.4151



87.7959, 0.2898, 0.3615



20.1858, 0.3107, 0.3521



37.3959, 0.2990, 0.5964



3.6470, 0.2966, 0.5879

Inverse Universe

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



64.6546, 0.3186, 0.2680



59.2104, 0.3199, 0.2558



62.7872, 0.3436, 0.2988



18.2805, 0.3147, 0.3070



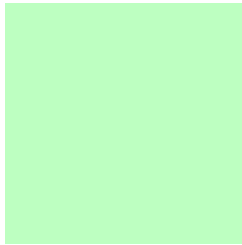
14.3966, 0.3365, 0.1628



1.4072, 0.3346, 0.1617

Previews

White Background



This preview shows how the Yxy color 86.1891, 0.3071, 0.3987 looks on a white background.

Color Contrast Check

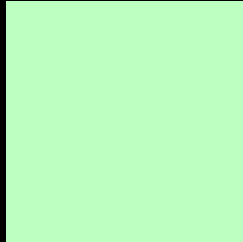
Large Text (above 18pt) WCAG AA × Fail

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 86.1891, 0.3071, 0.3987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

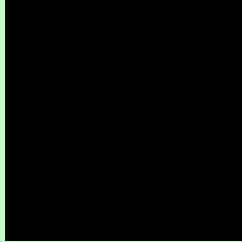
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.1891, 0.3071, 0.3987

Background



This preview shows how black text looks on a background with the Yxy color 86.1891, 0.3071, 0.3987.

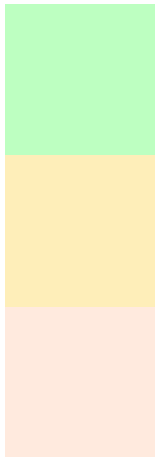


This preview shows how white text looks on a background with the Yxy color 86.1891, 0.3071, 0.3987.

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

86.1891, 0.3071, 0.3987

Protanopia

85.7227, 0.3578, 0.3824

Deuteranopia

85.3796, 0.3349, 0.3410



Tritanopia

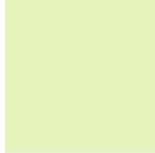
86.0729, 0.2895, 0.3166

Trichromacy



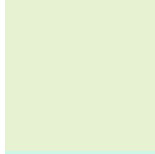
Original Color

86.1891, 0.3071, 0.3987



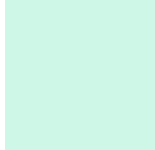
Protanomaly

85.1552, 0.3377, 0.3883



Deuteranomaly

85.1963, 0.3244, 0.3615



Tritanomaly

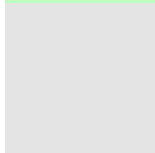
85.6131, 0.2964, 0.3450

Monochromacy



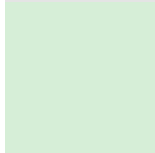
Original Color

86.1891, 0.3071, 0.3987



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.3515, 0.3109, 0.3540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1891, 0.3071, 0.3987 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 193)  
}
```

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, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 193) }
```

Border

The CSS property to change the border of an element to Yxy 86.1891, 0.3071, 0.3987 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, 193) }
```

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

```
.border{ border-color:rgb(189, 255, 193) }
```

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, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 255, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 255, 193); box-shadow:4px 4px 4px 4px rgb(189, 255, 193) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1891, 0.3071, 0.3987 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, 193) }
```

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

```
.background{ background-color: rgb(189,  
255, 193) }
```

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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