

Converting Colors

Yxy(86.4927, 0.3013, 0.3878)

Have a look what the booklet for
Yxy(86.4927, 0.3013, 0.3878)
contains.

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Color

Yxy(86.5232, 0.3011, 0.3872)

Conversions

Conversions Part 1

Format	Color
Hex	BCFFCB
RGB	188, 255, 203
RGB Percent	74%, 100%, 80%
CMY	0.2626, 0.0000, 0.2039
CMYK	0.26, 0.00, 0.20, 0.00
HSL	133°, 100%, 87%
HSV	133°, 26%, 100%
XYZ	67.2834, 86.5232, 69.6521
YIQ	229.0390, -23.2400, -30.3760

Conversions

Conversions Part 2

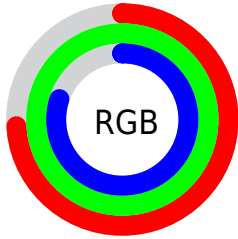
Format	Color
RYB	188, 243, 255
Decimal	12386251
CIELab	94.54, -30.83, 18.25
CIELCh	95, 35.829, 149.376
Yxy	86.5232, 0.3011, 0.3872
Android (android.graphics.Color)	4290576331 (0xFFBCFFCB)
YUV	229.0390, -12.8372, -35.9912
Hunter-Lab	93.0178, -33.6653, 20.7159

Details

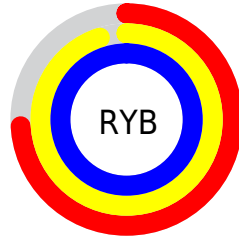
The Yxy color **86.5232, 0.3011, 0.3872** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.5324, 0.3270, 0.2771**, and the grayscale version is **78.4999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **47.5446, 0.2976, 0.4009** is the 20% darker color. If you saturate the color by 10%, you get **82.6841, 0.2970, 0.4139**, and if you desaturate by 10%, it is **91.0623, 0.3055, 0.3629**.

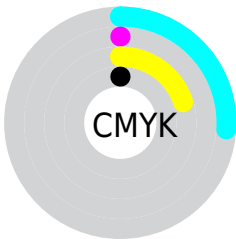
Distribution



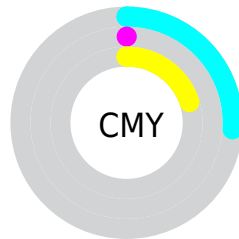
- Red (74%)
- Green (100%)
- Blue (80%)



- Red (74%)
- Yellow (95%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.5232, 0.3011, 0.3872 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 86.5232, 0.3011, 0.3872 by changing the saturation by 10% instead.

 86.5232, 0.3011,
0.3872

 86.5232, 0.3011,
0.3872


516.6548, 0.3069,
0.3600

 65.1007, 0.2997,
0.3935


 142.4994, 0.3032,
0.3777

 47.5427, 0.2979,
0.4012


177.8218, 0.3040,
0.3740

 33.4649, 0.2956,
0.4111


218.5464, 0.3046,
0.3709

 22.4828, 0.2925,
0.4241


265.0575, 0.3052,
0.3681

 14.2121, 0.2880,
0.4418

317.7395, 0.3057,
0.3657

 8.2683, 0.2811,
0.4675

376.9768, 0.3061,

 4.2671, 0.2695,

0.3636

0.5076

443.1538, 0.3065,
0.3617

■ 1.8241, 0.2525,
0.5928

■ 0.5021, 0.0000,
1.0000

■ 86.5232, 0.3011,
0.3872

■ 86.5232, 0.3011,
0.3872

■ 82.6841, 0.2970,
0.4139

■ 91.0623, 0.3055,
0.3629

■ 79.4994, 0.2935,
0.4426

■ 96.3228, 0.3099,
0.3412

■ 76.9352, 0.2909,
0.4723

■ 99.9999, 0.3127,
0.3290

■ 74.9499, 0.2894,
0.5018

■ 73.4966, 0.2893,
0.5295

■ 72.5209, 0.2905,
0.5536

■ 71.9561, 0.2931,
0.5728

■ 71.8153, 0.2941,
0.5786

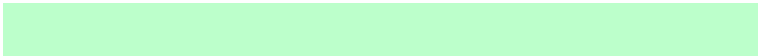
Harmonies

Analogous

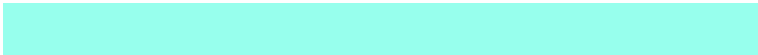
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5232, 0.3416, 0.4023



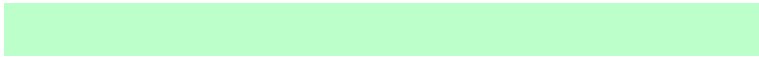
86.5232, 0.3011, 0.3872



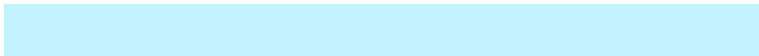
86.5232, 0.2653, 0.3529

Triad

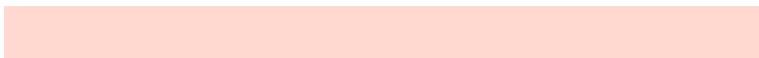
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.5232, 0.3011, 0.3872



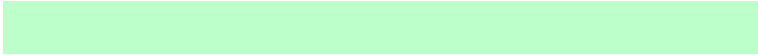
86.5232, 0.2512, 0.2650



86.5232, 0.3879, 0.3373

Complementary

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



86.5232, 0.3011, 0.3872



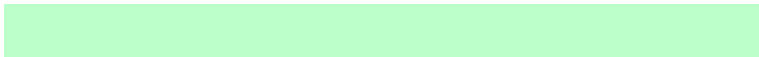
63.5324, 0.3270, 0.2771

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.



86.5232, 0.3605, 0.3052



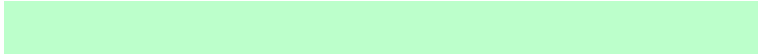
86.5232, 0.3011, 0.3872



86.5232, 0.2806, 0.2648

Square

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



86.5232, 0.3011, 0.3872



86.5232, 0.2379, 0.2815



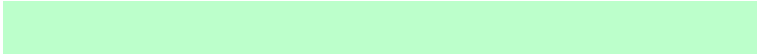
86.5232, 0.3205, 0.2793



86.5232, 0.3933, 0.3697

Rectangle

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



86.5232, 0.3011, 0.3872



86.5232, 0.2485, 0.3260



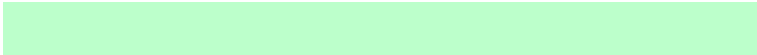
86.5232, 0.3205, 0.2793



86.5232, 0.3809, 0.3263

Sweetspot

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



86.5268, 0.3011, 0.3872



95.3556, 0.3092, 0.3448



93.7632, 0.3428, 0.3971



20.2346, 0.3085, 0.3480



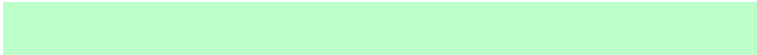
0.0000, 0.0000, 0.0000



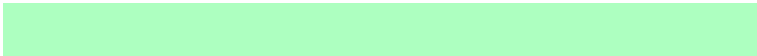
21.4041, 0.3127, 0.3290

Same Dimension

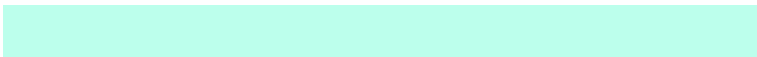
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.5268, 0.3011, 0.3872



84.2397, 0.2987, 0.4023



88.2727, 0.2837, 0.3495



20.2346, 0.3085, 0.3480



37.5433, 0.2934, 0.5762



3.6710, 0.2877, 0.5559

Inverse Universe

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



63.5324, 0.3270, 0.2771



57.4013, 0.3308, 0.2655



61.7445, 0.3534, 0.3095



18.2268, 0.3172, 0.3107



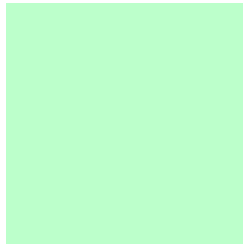
13.2629, 0.3872, 0.1907



1.3076, 0.3781, 0.1856

Previews

White Background



This preview shows how the Yxy color 86.5232, 0.3011, 0.3872 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 86.5232, 0.3011, 0.3872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

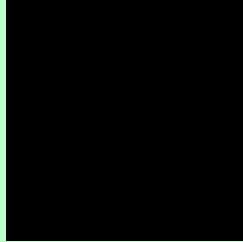
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.5232, 0.3011, 0.3872

Background



This preview shows how black text looks on a background with the Yxy color 86.5232, 0.3011, 0.3872.

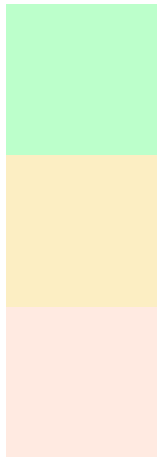


This preview shows how white text looks on a background with the Yxy color 86.5232, 0.3011, 0.3872.

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

86.5232, 0.3011, 0.3872

Protanopia

85.7846, 0.3499, 0.3725

Deuteranopia

85.5419, 0.3329, 0.3380



Tritanopia

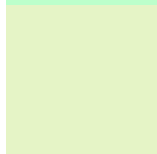
86.0729, 0.2895, 0.3166

Trichromacy



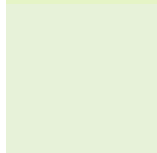
Original Color

86.5232, 0.3011, 0.3872



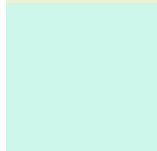
Protanomaly

85.4366, 0.3308, 0.3776



Deuteranomaly

85.5029, 0.3207, 0.3551



Tritanomaly

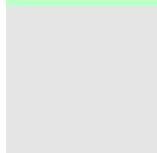
85.6995, 0.2936, 0.3407

Monochromacy



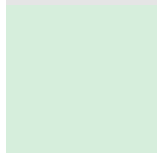
Original Color

86.5232, 0.3011, 0.3872



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.6125, 0.3079, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5232, 0.3011, 0.3872 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(188, 255, 203)` looks like.

```
.text, #text, p{  
    color:rgb(188, 255, 203)  
}
```

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(188, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 203) }
```

Border

The CSS property to change the border of an element to Yxy 86.5232, 0.3011, 0.3872 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(188, 255, 203) }
```

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

```
.border{ border-color:rgb(188, 255, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 255, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(188, 255,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5232, 0.3011, 0.3872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 255, 203) }
```

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

```
.background{ background-color: rgb(188,  
255, 203) }
```

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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