

Converting Colors

$Yxy(86.3669, 0.2988, 0.3851)$

Have a look what the booklet for
Yxy(86.3669, 0.2988, 0.3851)
contains.

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Color

Yxy(86.3669, 0.2988, 0.3851)

Conversions

Conversions Part 1

Format	Color
Hex	BAFFCD
RGB	186, 255, 205
RGB Percent	73%, 100%, 80%
CMY	0.2709, 0.0000, 0.1961
CMYK	0.27, 0.00, 0.20, 0.00
HSL	137°, 100%, 86%
HSV	137°, 27%, 100%
XYZ	67.0123, 86.3669, 70.8922
YIQ	228.6690, -25.0740, -30.1780

Conversions

Conversions Part 2

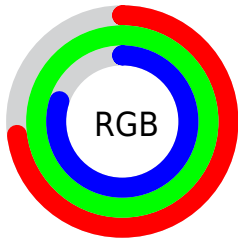
Format	Color
RYB	186, 240, 255
Decimal	12255181
CIELab	94.47, -31.14, 17.12
CIELCh	94, 35.539, 151.203
Yxy	86.3669, 0.2988, 0.3851
Android (android.graphics.Color)	4290445261 (0xFFBAFFCD)
YUV	228.6690, -11.6688, -37.4207
Hunter-Lab	92.9338, -33.9222, 19.8258

Details

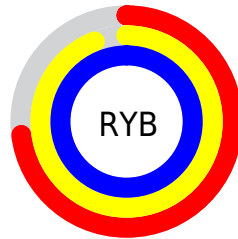
The Yxy color **86.3669, 0.2988, 0.3851** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.3918, 0.3303, 0.2789**, and the grayscale version is **78.1782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **47.4478, 0.2949, 0.3981** is the 20% darker color. If you saturate the color by 10%, you get **82.6042, 0.2942, 0.4101**, and if you desaturate by 10%, it is **90.7819, 0.3038, 0.3623**.

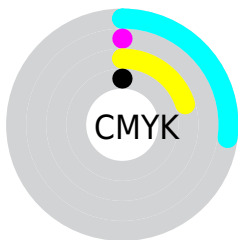
Distribution



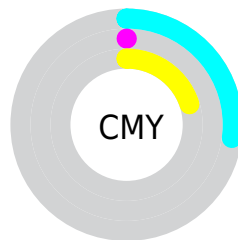
- Red (73%)
- Green (100%)
- Blue (80%)



- Red (73%)
- Yellow (94%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.3669, 0.2988, 0.3851 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 86.3669, 0.2988, 0.3851 by changing the saturation by 10% instead.

 86.3669, 0.2988,
0.3851

 86.3669, 0.2988,
0.3851


516.1402, 0.3056,
0.3589

 64.9714, 0.2972,
0.3911


 142.2814, 0.3012,
0.3760

 47.4379, 0.2952,
0.3986


177.5692, 0.3021,
0.3724

 33.3820, 0.2925,
0.4081


218.2565, 0.3029,
0.3694

 22.4192, 0.2890,
0.4206

264.7278, 0.3036,
0.3667

 14.1653, 0.2840,
0.4377

317.3674, 0.3042,
0.3644

 8.2357, 0.2765,
0.4625

376.5597, 0.3047,

 4.2461, 0.2641,

0.3624

0.5013

442.6892, 0.3051,
0.3605

1.8122, 0.2442,
0.5805

0.4947, 0.0000,
1.0000

86.3669, 0.2988,
0.3851

86.3669, 0.2988,
0.3851

82.6042, 0.2942,
0.4101

90.7819, 0.3038,
0.3623

79.4938, 0.2903,
0.4369

95.9146, 0.3090,
0.3420

76.9874, 0.2873,
0.4648

100.0000, 0.3127,
0.3290

75.0441, 0.2858,
0.4928

■ 73.6178, 0.2857,
0.5194

■ 72.6547, 0.2873,
0.5433

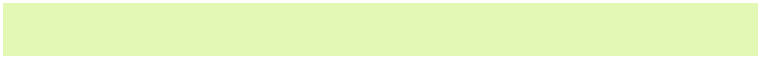
■ 72.0869, 0.2902,
0.5632

■ 71.9678, 0.2912,
0.5682

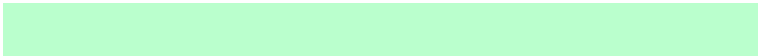
Harmonies

Analogous

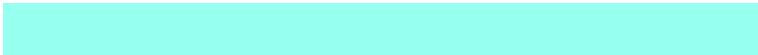
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3669, 0.3390, 0.4015



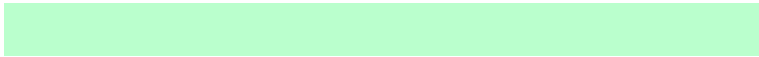
86.3669, 0.2988, 0.3851



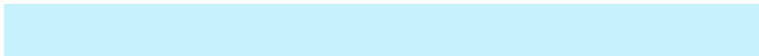
86.3669, 0.2638, 0.3503

Triad

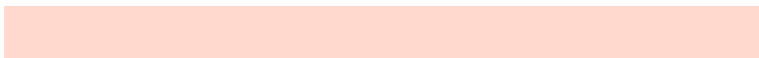
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.3669, 0.2988, 0.3851



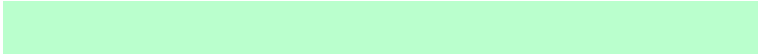
86.3669, 0.2530, 0.2650



86.3669, 0.3883, 0.3393

Complementary

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



86.3669, 0.2988, 0.3851



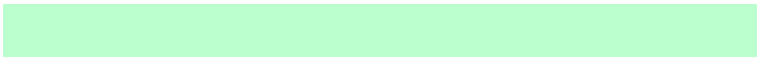
62.3918, 0.3303, 0.2789

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.



86.3669, 0.3623, 0.3072



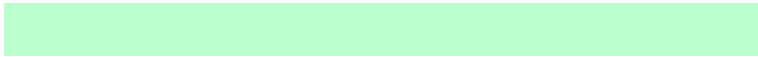
86.3669, 0.2988, 0.3851



86.3669, 0.2830, 0.2658

Square

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



86.3669, 0.2988, 0.3851



86.3669, 0.2388, 0.2804



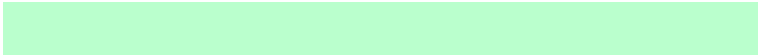
86.3669, 0.3230, 0.2810



86.3669, 0.3922, 0.3712

Rectangle

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



86.3669, 0.2988, 0.3851



86.3669, 0.2477, 0.3236



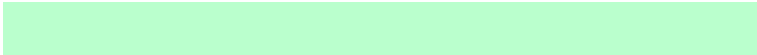
86.3669, 0.3230, 0.2810



86.3669, 0.3818, 0.3283

Sweetspot

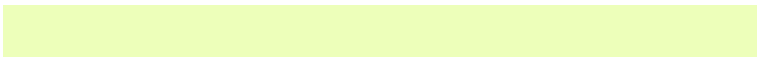
The Sweet Spot groups the original color and five complimentary colors.



86.3556, 0.2988, 0.3851



95.4194, 0.3085, 0.3437



92.9931, 0.3414, 0.3999



20.2506, 0.3078, 0.3467



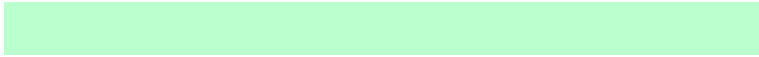
0.0000, 0.0000, 0.0000



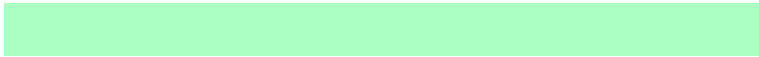
21.4041, 0.3127, 0.3290

Same Dimension

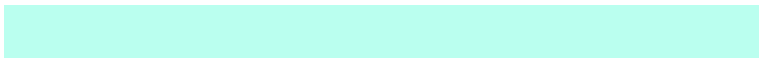
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3556, 0.2988, 0.3851



84.0604, 0.2960, 0.3996



88.1729, 0.2811, 0.3464



20.2506, 0.3078, 0.3467



37.6262, 0.2904, 0.5655



3.6811, 0.2843, 0.5436

Inverse Universe

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



62.3918, 0.3303, 0.2789



56.1415, 0.3352, 0.2677



60.6063, 0.3580, 0.3124



18.2097, 0.3181, 0.3120



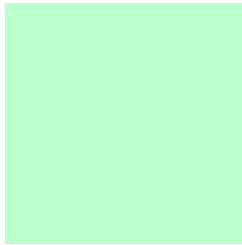
12.9560, 0.4060, 0.2010



1.2800, 0.3940, 0.1944

Previews

White Background



This preview shows how the Yxy color 86.3669, 0.2988, 0.3851 looks on a white background.

Color Contrast Check

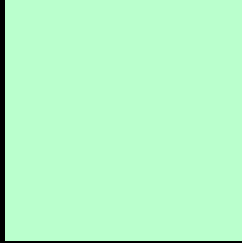
Large Text (above 18pt) WCAG AA × Fail

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 86.3669, 0.2988, 0.3851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

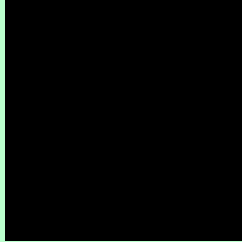
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

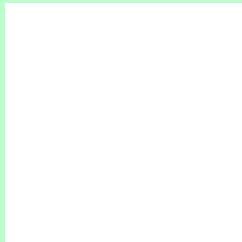
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.3669, 0.2988, 0.3851

Background



This preview shows how black text looks on a background with the Yxy color 86.3669, 0.2988, 0.3851.

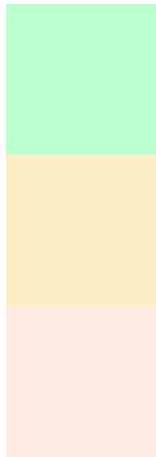


This preview shows how white text looks on a background with the Yxy color 86.3669, 0.2988, 0.3851.

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

86.3669, 0.2988, 0.3851

Protanopia

85.8300, 0.3492, 0.3715

Deuteranopia

85.5419, 0.3329, 0.3380



Tritanopia

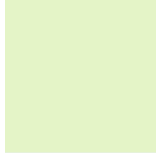
85.9201, 0.2889, 0.3166

Trichromacy



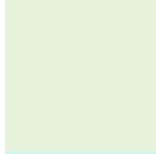
Original Color

86.3669, 0.2988, 0.3851



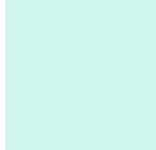
Protanomaly

85.3189, 0.3295, 0.3766



Deuteranomaly

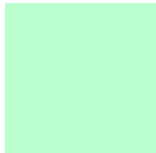
85.3892, 0.3194, 0.3540



Tritanomaly

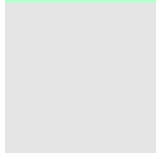
85.6151, 0.2924, 0.3396

Monochromacy



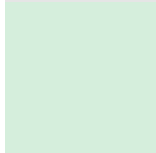
Original Color

86.3669, 0.2988, 0.3851



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.4625, 0.3072, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3669, 0.2988, 0.3851 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(186, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 205)  
}
```

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(186, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 205) }
```

Border

The CSS property to change the border of an element to Yxy 86.3669, 0.2988, 0.3851 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(186, 255, 205) }
```

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

```
.border{ border-color:rgb(186, 255, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3669, 0.2988, 0.3851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 205) }
```

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

```
.background{ background-color: rgb(186,  
255, 205) }
```

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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