

Converting Colors

$Y_{xy}(100.0000, 0.2976, 0.4065)$

Have a look what the booklet for
Yxy(100.0000, 0.2976, 0.4065)
contains.

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Color

Yxy(85.9469, 0.2977, 0.3865)

Conversions

Conversions Part 1

Format	Color
Hex	B7FFCC
RGB	183, 255, 204
RGB Percent	72%, 100%, 80%
CMY	0.2821, 0.0000, 0.2000
CMYK	0.28, 0.00, 0.20, 0.00
HSL	137°, 100%, 86%
HSV	137°, 28%, 100%
XYZ	66.2002, 85.9469, 70.2252
YIQ	227.6580, -26.5410, -31.1250

Conversions

Conversions Part 2

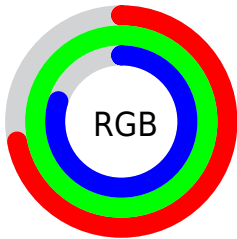
Format	Color
RYB	183, 239, 255
Decimal	12058572
CIELab	94.29, -32.18, 17.36
CIELCh	94, 36.558, 151.657
Yxy	85.9469, 0.2977, 0.3865
Android (android.graphics.Color)	4290248652 (0xFFB7FFCC)
YUV	227.6580, -11.6634, -39.1651
Hunter-Lab	92.7076, -34.7756, 19.9836

Details

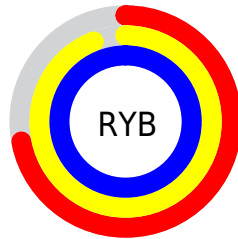
The Yxy color **85.9469, 0.2977, 0.3865** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.1008, 0.3321, 0.2778**, and the grayscale version is **77.4341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **47.1794, 0.2934, 0.4001** is the 20% darker color. If you saturate the color by 10%, you get **82.2823, 0.2930, 0.4112**, and if you desaturate by 10%, it is **90.2859, 0.3029, 0.3640**.

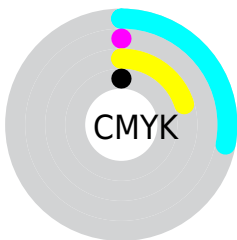
Distribution



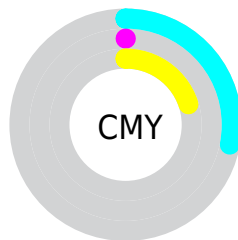
- Red (72%)
- Green (100%)
- Blue (80%)



- Red (72%)
- Yellow (94%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (28%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.9469, 0.2977, 0.3865 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 85.9469, 0.2977, 0.3865 by changing the saturation by 10% instead.


 85.9469, 0.2977,
0.3865

 85.9469, 0.2977,
0.3865


514.7561, 0.3050,
0.3596

 64.6241, 0.2960,
0.3927


 141.6954, 0.3003,
0.3771

 47.1563, 0.2938,
0.4004


176.8898, 0.3013,
0.3735

 33.1592, 0.2909,
0.4102


217.4769, 0.3021,
0.3704

 22.2485, 0.2871,
0.4231

263.8411, 0.3028,
0.3676

 14.0396, 0.2818,
0.4408

316.3667, 0.3035,
0.3653

 8.1482, 0.2737,
0.4664


375.4381, 0.3040,


 4.1899, 0.2604,


0.3632


0.5067

441.4398, 0.3045,
0.3613

 1.7804, 0.2388,
0.5920

 0.4749, 0.0000,
1.0000


 85.9469, 0.2977,
0.3865


 85.9469, 0.2977,
0.3865


 82.2823, 0.2930,
0.4112

 90.2859, 0.3029,
0.3640

 79.2473, 0.2890,
0.4376

 95.3200, 0.3083,
0.3438

 76.8083, 0.2861,
0.4651

 99.9944, 0.3127,
0.3290

 74.9243, 0.2846,
0.4925

■ 73.5488, 0.2848,
0.5187

■ 72.6273, 0.2865,
0.5422

■ 72.0860, 0.2897,
0.5618

■ 72.0113, 0.2903,
0.5649

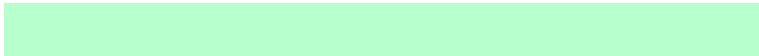
Harmonies

Analogous

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



85.9469, 0.3391, 0.4037



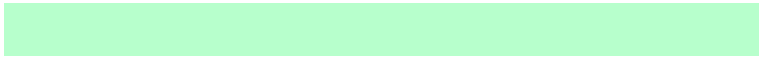
85.9469, 0.2977, 0.3865



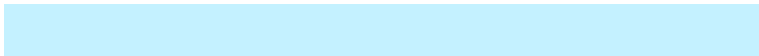
85.9469, 0.2619, 0.3503

Triad

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



85.9469, 0.2977, 0.3865



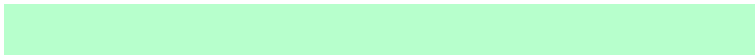
85.9469, 0.2517, 0.2630



85.9469, 0.3909, 0.3400

Complementary

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



85.9469, 0.2977, 0.3865



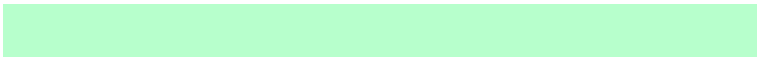
61.1008, 0.3321, 0.2778

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.



85.9469, 0.3643, 0.3070



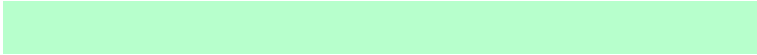
85.9469, 0.2977, 0.3865



85.9469, 0.2827, 0.2641

Square

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



85.9469, 0.2977, 0.3865



85.9469, 0.2368, 0.2785



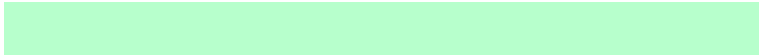
85.9469, 0.3239, 0.2800



85.9469, 0.3945, 0.3727

Rectangle

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



85.9469, 0.2977, 0.3865



85.9469, 0.2456, 0.3228



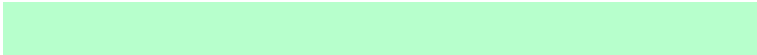
85.9469, 0.3239, 0.2800



85.9469, 0.3843, 0.3287

Sweetspot

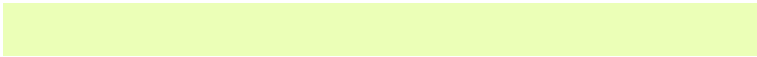
The Sweet Spot groups the original color and five complimentary colors.



85.9505, 0.2977, 0.3865



95.4373, 0.3084, 0.3434



92.5331, 0.3417, 0.4031



20.2551, 0.3076, 0.3463



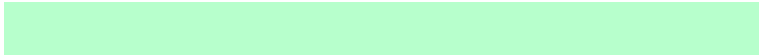
0.0000, 0.0000, 0.0000



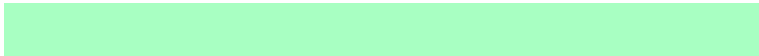
21.4041, 0.3127, 0.3290

Same Dimension

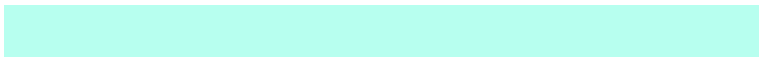
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.9505, 0.2977, 0.3865



83.7515, 0.2949, 0.4006



87.8471, 0.2793, 0.3459



20.2551, 0.3076, 0.3463



37.6528, 0.2895, 0.5621



3.6841, 0.2833, 0.5400

Inverse Universe

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



61.1008, 0.3321, 0.2778



55.0767, 0.3371, 0.2670



59.2640, 0.3615, 0.3129



18.2050, 0.3183, 0.3123



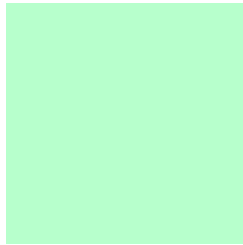
12.8752, 0.4115, 0.2040



1.2726, 0.3986, 0.1970

Previews

White Background



This preview shows how the Yxy color 85.9469, 0.2977, 0.3865 looks on a white background.

Color Contrast Check

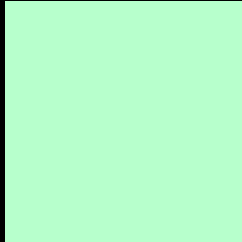
Large Text (above 18pt) WCAG AA × Fail

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 85.9469, 0.2977, 0.3865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

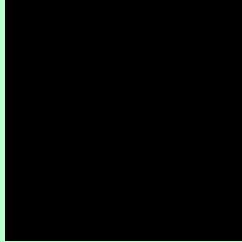
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

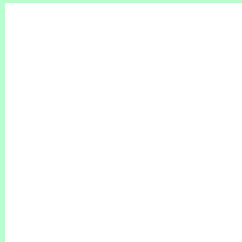
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.9469, 0.2977, 0.3865

Background



This preview shows how black text looks on a background with the Yxy color 85.9469, 0.2977, 0.3865.

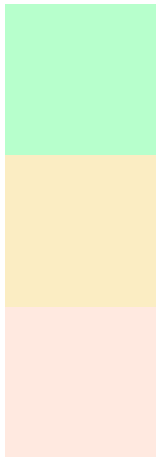


This preview shows how white text looks on a background with the Yxy color 85.9469, 0.2977, 0.3865.

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

85.9469, 0.2977, 0.3865

Protanopia

85.0177, 0.3493, 0.3716

Deuteranopia

84.9196, 0.3337, 0.3380



Tritanopia

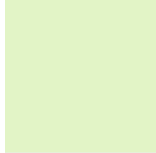
85.6173, 0.2878, 0.3165

Trichromacy



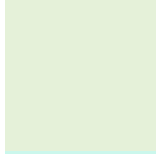
Original Color

85.9469, 0.2977, 0.3865



Protanomaly

84.9473, 0.3288, 0.3779



Deuteranomaly

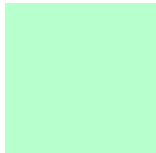
84.5784, 0.3195, 0.3541



Tritanomaly

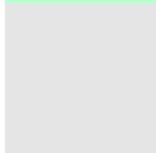
85.2742, 0.2918, 0.3407

Monochromacy



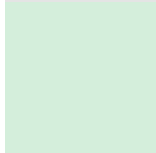
Original Color

85.9469, 0.2977, 0.3865



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.2606, 0.3072, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.9469, 0.2977, 0.3865 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(183, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 204)  
}
```

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(183, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 85.9469, 0.2977, 0.3865 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(183, 255, 204) }
```

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

```
.border{ border-color:rgb(183, 255, 204) }
```

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

Here you see how a box with a 4 pixel rgb(183, 255, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 85.9469, 0.2977, 0.3865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 204) }
```

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

```
.background{ background-color: rgb(183,  
255, 204) }
```

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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