

Converting Colors

$Yxy(89.2822, 0.2975, 0.3900)$

Have a look what the booklet for
Yxy(89.2822, 0.2975, 0.3900)
contains.

Yxy(86.1181, 0.2977, 0.3853)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(86.1181, 0.2977, 0.3853)

Conversions

Conversions Part 1

Format	Color
Hex	B8FFCD
RGB	184, 255, 205
RGB Percent	72%, 100%, 80%
CMY	0.2785, 0.0000, 0.1962
CMYK	0.28, 0.00, 0.20, 0.00
HSL	138°, 100%, 86%
HSV	138°, 28%, 100%
XYZ	66.5387, 86.1181, 70.8524
YIQ	228.0710, -26.2660, -30.6020

Conversions

Conversions Part 2

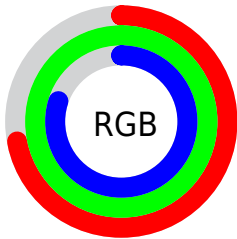
Format	Color
RYB	184, 239, 255
Decimal	12124109
CIELab	94.36, -31.74, 16.97
CIElCh	94, 35.989, 151.868
Yxy	86.1181, 0.2977, 0.3853
Android (android.graphics.Color)	4290314189 (0xFFB8FFCD)
YUV	228.0710, -11.3740, -38.6503
Hunter-Lab	92.7998, -34.4129, 19.6921

Details

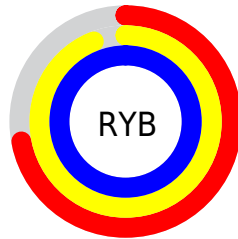
The Yxy color **86.1181, 0.2977, 0.3853** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.4715, 0.3320, 0.2787**, and the grayscale version is **77.7278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **47.2897, 0.2935, 0.3984** is the 20% darker color. If you saturate the color by 10%, you get **82.4255, 0.2929, 0.4097**, and if you desaturate by 10%, it is **90.4687, 0.3029, 0.3630**.

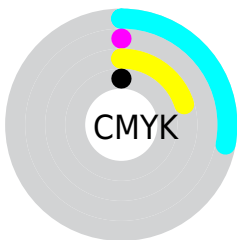
Distribution



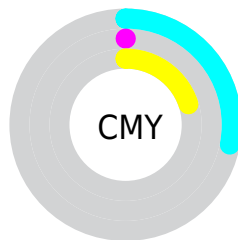
- Red (72%)
- Green (100%)
- Blue (80%)



- 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 86.1181, 0.2977, 0.3853 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 86.1181, 0.2977, 0.3853 by changing the saturation by 10% instead.


 86.1181, 0.2977,
0.3853

 86.1181, 0.2977,
0.3853

515.3205, 0.3050,
0.3590

 64.7656, 0.2960,
0.3914


 141.9343, 0.3003,
0.3761

 47.2711, 0.2938,
0.3989


177.1668, 0.3013,
0.3726

 33.2500, 0.2910,
0.4085


217.7948, 0.3021,
0.3695

 22.3180, 0.2872,
0.4210

264.2026, 0.3028,
0.3669

 14.0908, 0.2820,
0.4383

316.7747, 0.3035,
0.3645

 8.1838, 0.2740,
0.4632

375.8955, 0.3040,

 4.2128, 0.2610,

0.3625

0.5025

441.9493, 0.3045,
0.3606

1.7933, 0.2395,
0.5832

0.4830, 0.0000,
1.0000

86.1181, 0.2977,
0.3853

86.1181, 0.2977,
0.3853

82.4255, 0.2929,
0.4097

90.4687, 0.3029,
0.3630

79.3708, 0.2889,
0.4359

95.5225, 0.3084,
0.3431

76.9124, 0.2859,
0.4632

100.0000, 0.3127,
0.3290

75.0095, 0.2843,
0.4905

■ 73.6159, 0.2844,
0.5167

■ 72.6776, 0.2861,
0.5403

■ 72.1232, 0.2893,
0.5601

■ 72.0332, 0.2900,
0.5639

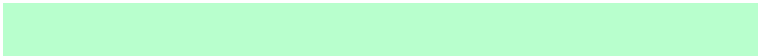
Harmonies

Analogous

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



86.1181, 0.3385, 0.4024



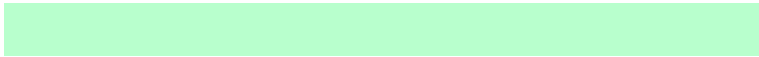
86.1181, 0.2977, 0.3853



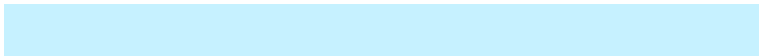
86.1181, 0.2625, 0.3497

Triad

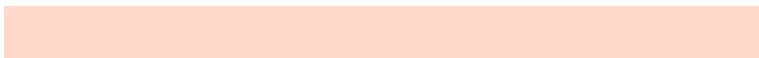
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.1181, 0.2977, 0.3853



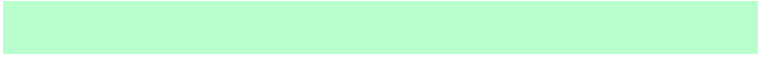
86.1181, 0.2528, 0.2640



86.1181, 0.3897, 0.3402

Complementary

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



86.1181, 0.2977, 0.3853



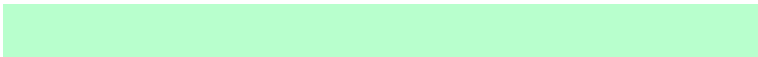
61.4715, 0.3320, 0.2787

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.



86.1181, 0.3638, 0.3075



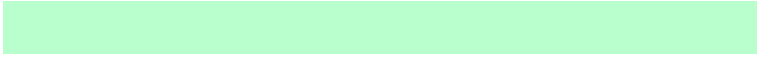
86.1181, 0.2977, 0.3853



86.1181, 0.2835, 0.2652

Square

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



86.1181, 0.2977, 0.3853



86.1181, 0.2380, 0.2792



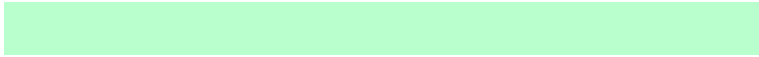
86.1181, 0.3240, 0.2809



86.1181, 0.3931, 0.3723

Rectangle

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



86.1181, 0.2977, 0.3853



86.1181, 0.2465, 0.3226



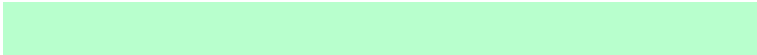
86.1181, 0.3240, 0.2809



86.1181, 0.3833, 0.3290

Sweetspot

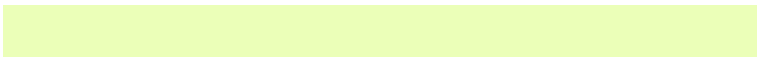
The Sweet Spot groups the original color and five complimentary colors.



86.1136, 0.2977, 0.3853



95.4429, 0.3083, 0.3433



92.6208, 0.3414, 0.4021



20.2565, 0.3075, 0.3462



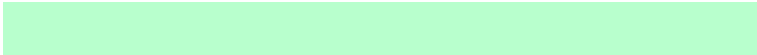
0.0000, 0.0000, 0.0000



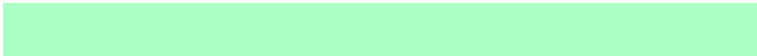
21.4041, 0.3127, 0.3290

Same Dimension

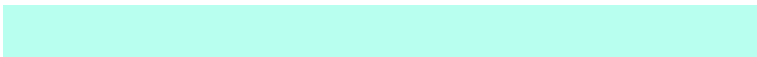
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1136, 0.2977, 0.3853



84.1341, 0.2952, 0.3976



87.9755, 0.2797, 0.3456



20.2565, 0.3075, 0.3462



37.6615, 0.2892, 0.5610



3.6851, 0.2830, 0.5388

Inverse Universe

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



61.4715, 0.3320, 0.2787



56.0494, 0.3366, 0.2692



59.6711, 0.3607, 0.3132



18.2035, 0.3184, 0.3124



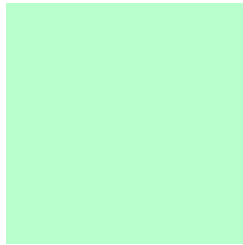
12.8501, 0.4132, 0.2050



1.2704, 0.4001, 0.1978

Previews

White Background



This preview shows how the Yxy color 86.1181, 0.2977, 0.3853 looks on a white background.

Color Contrast Check

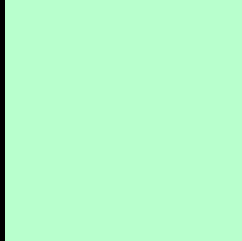
Large Text (above 18pt) WCAG AA × Fail

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 86.1181, 0.2977, 0.3853 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

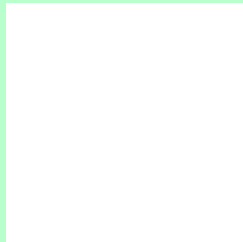
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.1181, 0.2977, 0.3853

Background



This preview shows how black text looks on a background with the Yxy color 86.1181, 0.2977, 0.3853.

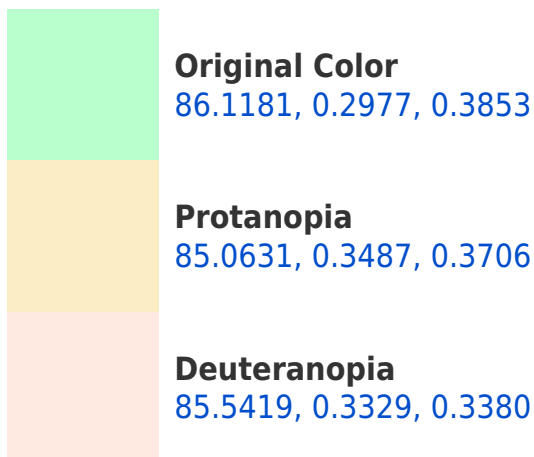


This preview shows how white text looks on a background with the Yxy color 86.1181, 0.2977, 0.3853.

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

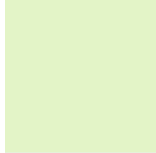
85.7683, 0.2883, 0.3166

Trichromacy



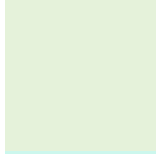
Original Color

86.1181, 0.2977, 0.3853



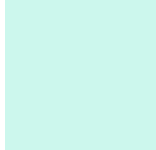
Protanomaly

85.1558, 0.3289, 0.3767



Deuteranomaly

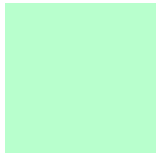
85.2242, 0.3188, 0.3541



Tritanomaly

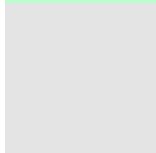
85.4733, 0.2918, 0.3396

Monochromacy



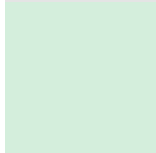
Original Color

86.1181, 0.2977, 0.3853



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.3134, 0.3066, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1181, 0.2977, 0.3853 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(184, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(184, 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(184, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 205) }
```

Border

The CSS property to change the border of an element to Yxy 86.1181, 0.2977, 0.3853 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(184, 255, 205) }
```

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

```
.border{ border-color:rgb(184, 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(184, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1181, 0.2977, 0.3853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 255, 205) }
```

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

```
.background{ background-color: rgb(184,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor