

# Converting Colors

$Y_{xy}(191.8036, 0.2987, 0.4783)$

Have a look what the booklet for  
Yxy(191.8036, 0.2987, 0.4783)  
contains.

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# Color

**Yxy(86.3393, 0.2972, 0.3828)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9FFCF
RGB	185, 255, 207
RGB Percent	73%, 100%, 81%
CMY	0.2745, 0.0000, 0.1882
CMYK	0.27, 0.00, 0.19, 0.00
HSL	139°, 100%, 86%
HSV	139°, 27%, 100%
XYZ	67.0325, 86.3393, 72.1750
YIQ	228.5980, -26.3120, -29.7680

# Conversions

## Conversions Part 2

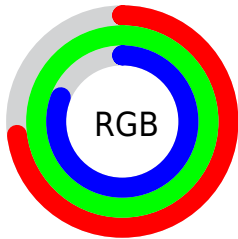
Format	Color
<a href="#">RYB</a>	<a href="#">185, 238, 255</a>
Decimal	<a href="#">12189647</a>
CIELab	<a href="#">94.46, -31.05, 16.06</a>
CIELCh	<a href="#">94, 34.956, 152.649</a>
Yxy	<a href="#">86.3393, 0.2972, 0.3828</a>
Android (android.graphics.Color)	<a href="#">4290379727</a> ( <a href="#">0xFFB9FFCF</a> )
YUV	<a href="#">228.5980, -10.6478, -38.2354</a>
Hunter-Lab	<a href="#">92.9189, -33.8368, 18.9896</a>

# Details

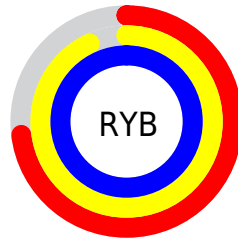
The Yxy color **86.3393, 0.2972, 0.3828** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.8427, 0.3327, 0.2807**, and the grayscale version is **78.1403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **47.4339, 0.2929, 0.3952** is the 20% darker color. If you saturate the color by 10%, you get **82.6403, 0.2922, 0.4065**, and if you desaturate by 10%, it is **90.7050, 0.3027, 0.3612**.

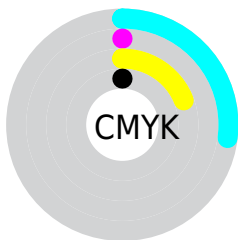
# Distribution



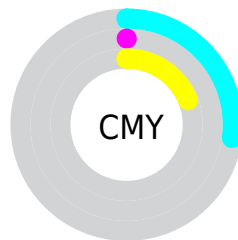
- Red (73%)
- Green (100%)
- Blue (81%)



- Red (73%)
- Yellow (93%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.3393, 0.2972, 0.3828 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 86.3393, 0.2972, 0.3828 by changing the saturation by 10% instead.




 86.3393, 0.2972,  
0.3828

 86.3393, 0.2972,  
0.3828

516.0493, 0.3046,  
0.3577

 64.9486, 0.2954,  
0.3886


 142.2429, 0.2998,  
0.3741

 47.4194, 0.2932,  
0.3957


177.5245, 0.3008,  
0.3707

 33.3673, 0.2904,  
0.4048


218.2053, 0.3017,  
0.3677

 22.4080, 0.2866,  
0.4168

264.6695, 0.3024,  
0.3652

 14.1570, 0.2814,  
0.4331

317.3017, 0.3031,  
0.3630

 8.2299, 0.2735,  
0.4568

376.4861, 0.3037,

 4.2424, 0.2607,

0.3610

0.4940

442.6072, 0.3042,  
0.3593

■ 1.8101, 0.2390,  
0.5668

■ 0.4934, 0.0000,  
1.0000

■ 86.3393, 0.2972,  
0.3828

■ 86.3393, 0.2972,  
0.3828

■ 82.6403, 0.2922,  
0.4065

■ 90.7050, 0.3027,  
0.3612

■ 79.5697, 0.2879,  
0.4319

■ 95.7634, 0.3084,  
0.3419

■ 77.0924, 0.2848,  
0.4584

100.0000, 0.3127,  
0.3290

■ 75.1683, 0.2830,  
0.4852

■ 73.7517, 0.2830,  
0.5110

■ 72.7893, 0.2847,  
0.5346

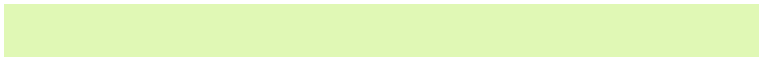
■ 72.2125, 0.2878,  
0.5548

■ 72.1022, 0.2887,  
0.5594

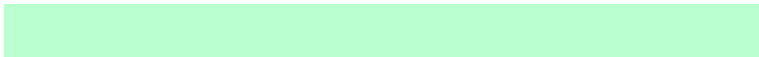
# Harmonies

## Analogous

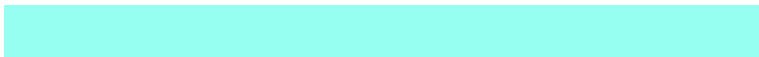
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3393, 0.3368, 0.4000



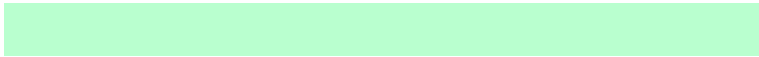
86.3393, 0.2972, 0.3828



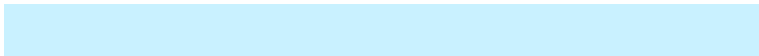
86.3393, 0.2632, 0.3481

# Triad

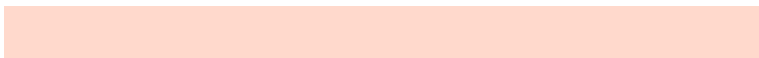
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.3393, 0.2972, 0.3828



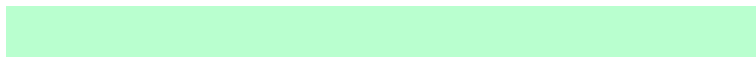
86.3393, 0.2551, 0.2656



86.3393, 0.3878, 0.3408

# Complementary

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



86.3393, 0.2972, 0.3828



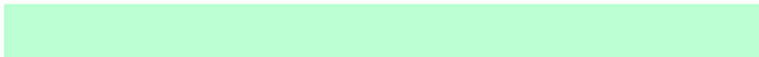
61.8427, 0.3327, 0.2807

# 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.



86.3393, 0.3631, 0.3090



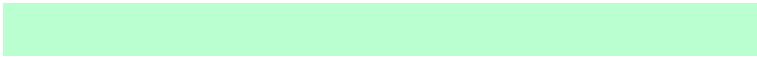
86.3393, 0.2972, 0.3828



86.3393, 0.2853, 0.2671

# Square

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



86.3393, 0.2972, 0.3828



86.3393, 0.2402, 0.2801



86.3393, 0.3248, 0.2827

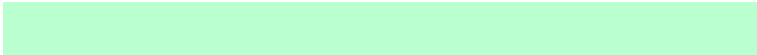


86.3393, 0.3906, 0.3720



# Rectangle

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



86.3393, 0.2972, 0.3828



86.3393, 0.2479, 0.3219



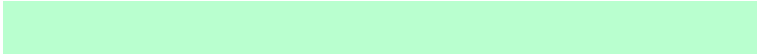
86.3393, 0.3248, 0.2827



86.3393, 0.3818, 0.3299

# Sweetspot

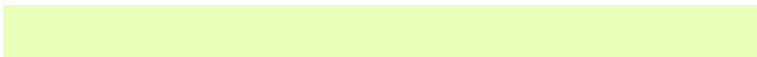
The Sweet Spot groups the original color and five complimentary colors.



86.3410, 0.2972, 0.3828



95.4660, 0.3081, 0.3429



92.5157, 0.3402, 0.4012



20.2623, 0.3072, 0.3457



0.0000, 0.0000, 0.0000

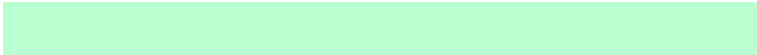


21.4041, 0.3127, 0.3290

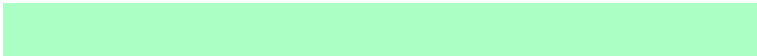


# Same Dimension

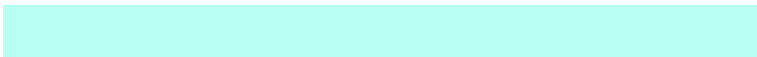
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3410, 0.2972, 0.3828



84.2068, 0.2943, 0.3957



88.1859, 0.2795, 0.3441



20.2623, 0.3072, 0.3457



37.6986, 0.2879, 0.5565



3.6893, 0.2817, 0.5340



# Inverse Universe

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



61.8427, 0.3327, 0.2807



55.9603, 0.3379, 0.2707



60.0840, 0.3608, 0.3146



18.1974, 0.3186, 0.3128



12.7502, 0.4204, 0.2090

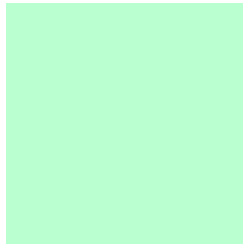


1.2612, 0.4062, 0.2011



# Previews

## White Background



This preview shows how the Yxy color 86.3393, 0.2972, 0.3828 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

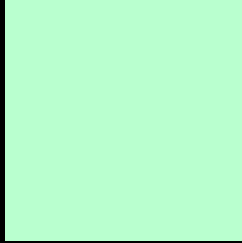
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.3393, 0.2972, 0.3828 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

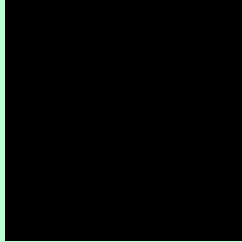
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.3393, 0.2972, 0.3828**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.3393, 0.2972, 0.3828.

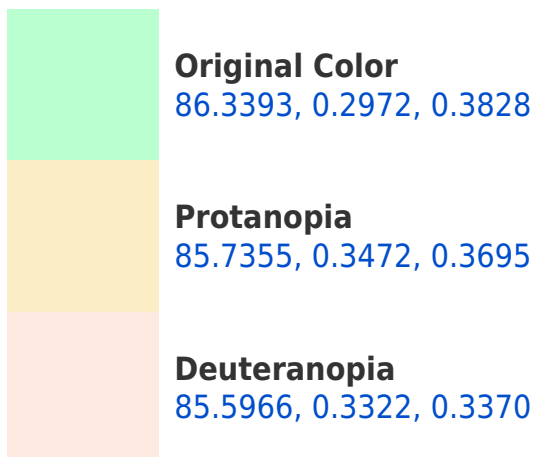


This preview shows how white text looks on a background with the Yxy color 86.3393, 0.2972, 0.3828.

# 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

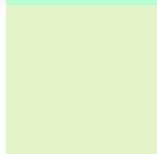
85.7683, 0.2883, 0.3166

# Trichromacy



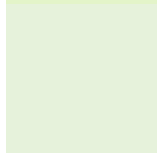
## Original Color

86.3393, 0.2972, 0.3828



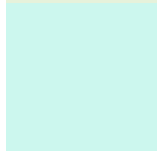
## Protanomaly

85.2493, 0.3276, 0.3746



## Deuteranomaly

85.4417, 0.3188, 0.3530



## Tritanomaly

85.5319, 0.2913, 0.3385

# Monochromacy



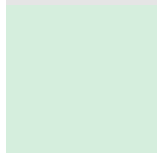
## Original Color

86.3393, 0.2972, 0.3828



## Achromatopsia

78.3538, 0.3127, 0.3290



## Achromatomaly

80.5157, 0.3066, 0.3474

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.3393, 0.2972, 0.3828 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(185, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(185, 255, 207)  
}
```

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(185, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 86.3393, 0.2972, 0.3828 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(185, 255, 207) }
```

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

```
.border{ border-color:rgb(185, 255, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 255, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(185, 255,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.3393, 0.2972, 0.3828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 255, 207) }
```

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

```
.background{ background-color: rgb(185,  
255, 207) }
```

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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