

# Converting Colors

$Yxy(87.0263, 0.2919, 0.3699)$

Have a look what the booklet for  
Yxy(87.0263, 0.2919, 0.3699)  
contains.

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# Color

**Yxy(87.0211, 0.2919, 0.3700)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAFFDA
RGB	186, 255, 218
RGB Percent	73%, 100%, 85%
CMY	0.2709, 0.0000, 0.1450
CMYK	0.27, 0.00, 0.15, 0.00
HSL	148°, 100%, 86%
HSV	148°, 27%, 100%
XYZ	68.6526, 87.0211, 79.5185
YIQ	230.1510, -29.2470, -26.1350

# Conversions

## Conversions Part 2

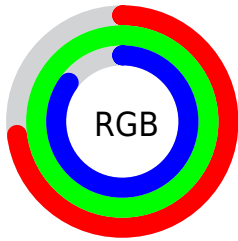
Format	Color
<a href="#">RYB</a>	<a href="#">186, 233, 255</a>
Decimal	<a href="#">12255194</a>
CIELab	<a href="#">94.75, -28.74, 10.84</a>
CIElCh	<a href="#">95, 30.716, 159.343</a>
Yxy	<a href="#">87.0211, 0.2919, 0.3700</a>
Android (android.graphics.Color)	<a href="#">4290445274 (0xFFBAFFDA)</a>
YUV	<a href="#">230.1510, -5.9904, -38.7204</a>
Hunter-Lab	<a href="#">93.2851, -31.8830, 14.7593</a>

# Details

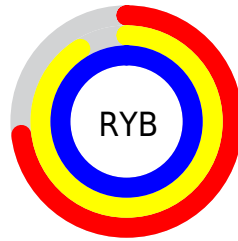
The Yxy color **87.0211, 0.2919, 0.3700** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.6697, 0.3407, 0.2914**, and the grayscale version is **79.2932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **47.8578, 0.2870, 0.3798** is the 20% darker color. If you saturate the color by 10%, you get **83.4148, 0.2851, 0.3881**, and if you desaturate by 10%, it is **91.2394, 0.2993, 0.3534**.

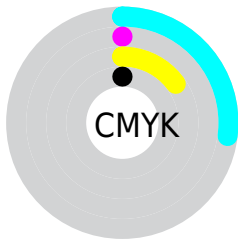
# Distribution



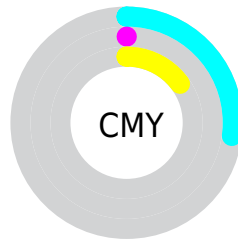
- Red (73%)
- Green (100%)
- Blue (85%)



- Red (73%)
- Yellow (91%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.0211, 0.2919, 0.3700 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 87.0211, 0.2919, 0.3700 by changing the saturation by 10% instead.





 87.0211, 0.2919,  
0.3700

 87.0211, 0.2919,  
0.3700

518.2922, 0.3015,  
0.3510

 65.5127, 0.2897,  
0.3743


 143.1935, 0.2952,  
0.3634

 47.8769, 0.2870,  
0.3797


178.6264, 0.2965,  
0.3609

 33.7294, 0.2836,  
0.3864


219.4694, 0.2976,  
0.3587

 22.6858, 0.2792,  
0.3953

266.1071, 0.2986,  
0.3568

 14.3617, 0.2731,  
0.4073

318.9238, 0.2995,  
0.3551

 8.3726, 0.2645,  
0.4246

378.3040, 0.3002,

 4.3343, 0.2511,

0.3536

0.4515

444.6320, 0.3009,  
0.3522

■ 1.8623, 0.2277,  
0.4988

■ 0.5255, 0.0000,  
1.0000

■ 87.0211, 0.2919,  
0.3700

■ 87.0211, 0.2919,  
0.3700

■ 83.4148, 0.2851,  
0.3881

■ 91.2394, 0.2993,  
0.3534

■ 80.4137, 0.2794,  
0.4076


■ 96.1242, 0.3071,  
0.3386

■ 77.9750, 0.2749,  
0.4283


100.0000, 0.3127,  
0.3290

■ 76.0603, 0.2722,  
0.4495

 74.6264, 0.2713,  
0.4707

 73.6225, 0.2725,  
0.4913

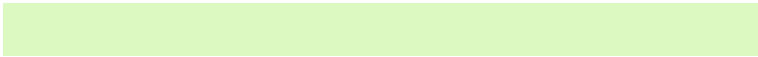
 72.9841, 0.2756,  
0.5106

 72.8392, 0.2766,  
0.5159

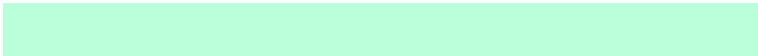
# Harmonies

## Analogous

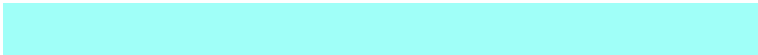
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0211, 0.3264, 0.3891



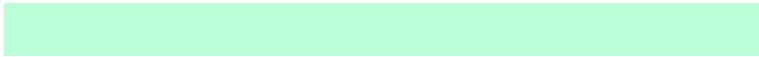
87.0211, 0.2919, 0.3700



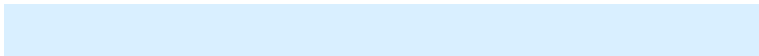
87.0211, 0.2640, 0.3382

# Triad

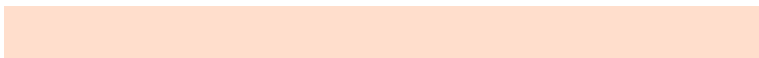
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.0211, 0.2919, 0.3700



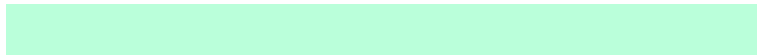
87.0211, 0.2669, 0.2721



87.0211, 0.3807, 0.3463

# Complementary

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



87.0211, 0.2919, 0.3700



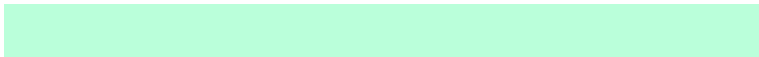
61.6697, 0.3407, 0.2914

# 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.



87.0211, 0.3631, 0.3176



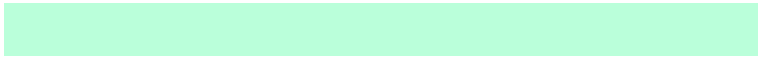
87.0211, 0.2919, 0.3700



87.0211, 0.2961, 0.2763

# Square

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



87.0211, 0.2919, 0.3700



87.0211, 0.2502, 0.2821



87.0211, 0.3314, 0.2926

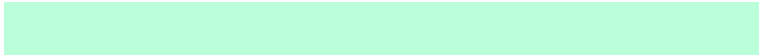


87.0211, 0.3788, 0.3726



# Rectangle

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



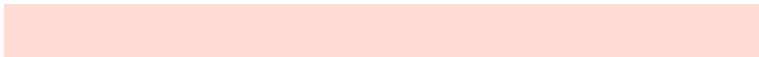
87.0211, 0.2919, 0.3700



87.0211, 0.2524, 0.3158



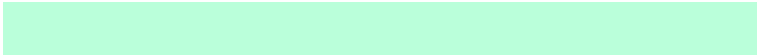
87.0211, 0.3314, 0.2926



87.0211, 0.3769, 0.3366

# Sweetspot

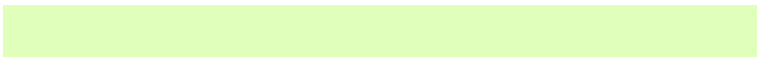
The Sweet Spot groups the original color and five complimentary colors.



87.0128, 0.2919, 0.3700



95.6505, 0.3064, 0.3399



90.8961, 0.3330, 0.4018



20.3086, 0.3052, 0.3420



0.0000, 0.0000, 0.0000

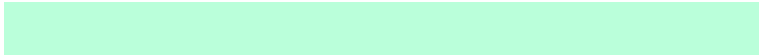


21.4041, 0.3127, 0.3290

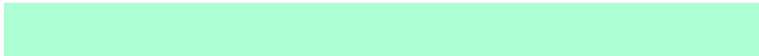


# Same Dimension

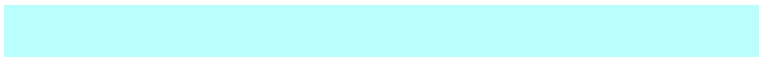
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0128, 0.2919, 0.3700



84.8115, 0.2878, 0.3805



88.9495, 0.2748, 0.3326



20.3086, 0.3052, 0.3420



38.0895, 0.2758, 0.5129



3.7305, 0.2698, 0.4912



# Inverse Universe

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



61.6697, 0.3407, 0.2914



55.2821, 0.3488, 0.2829



60.0375, 0.3688, 0.3256



18.1497, 0.3210, 0.3163



12.0760, 0.4814, 0.2426

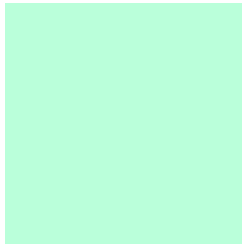


1.1979, 0.4580, 0.2297



# Previews

## White Background



This preview shows how the Yxy color 87.0211, 0.2919, 0.3700 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 87.0211, 0.2919, 0.3700 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

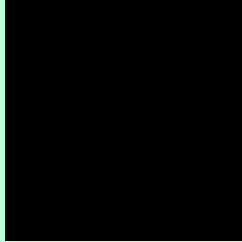
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 87.0211, 0.2919, 0.3700**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.0211, 0.2919, 0.3700.

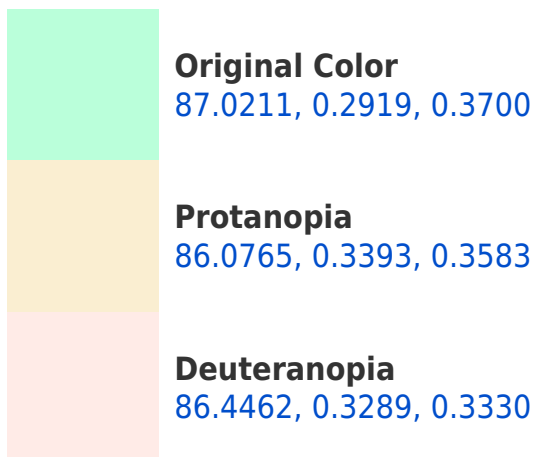


This preview shows how white text looks on a background with the Yxy color 87.0211, 0.2919, 0.3700.

# 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

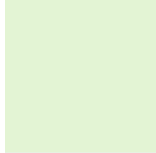
86.6731, 0.2896, 0.3176

# Trichromacy



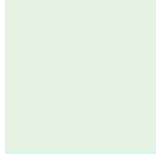
## Original Color

87.0211, 0.2919, 0.3700



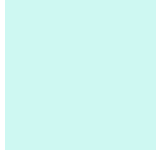
## Protanomaly

85.7857, 0.3209, 0.3627



## Deuteranomaly

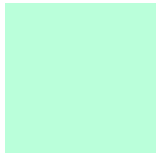
85.8182, 0.3146, 0.3456



## Tritanomaly

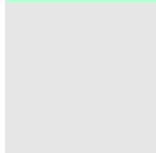
86.6674, 0.2903, 0.3353

# Monochromacy



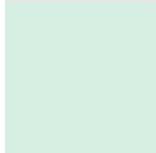
## Original Color

87.0211, 0.2919, 0.3700



## Achromatopsia

79.1298, 0.3127, 0.3290



## Achromatomaly

81.5201, 0.3042, 0.3429

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.0211, 0.2919, 0.3700 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 87.0211, 0.2919, 0.3700 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, 218) }
```

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

```
.border{ border-color:rgb(186, 255, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.0211, 0.2919, 0.3700 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, 218) }
```

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

```
.background{ background-color: rgb(186,  
255, 218) }
```

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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