

Converting Colors

$Yxy(86.7922, 0.2924, 0.3724)$

Have a look what the booklet for
Yxy(86.7922, 0.2924, 0.3724)
contains.

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Color

Yxy(86.7922, 0.2924, 0.3724)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | B9FFD8 |
| RGB | 185, 255, 216 |
| RGB Percent | 73%, 100%, 85% |
| CMY | 0.2748, 0.0000, 0.1530 |
| CMYK | 0.27, 0.00, 0.15, 0.00 |
| HSL | 147°, 100%, 86% |
| HSV | 147°, 27%, 100% |
| XYZ | 68.1473, 86.7922, 78.1223 |
| YIQ | 229.6240, -29.2010, -26.9690 |

Conversions

Conversions Part 2

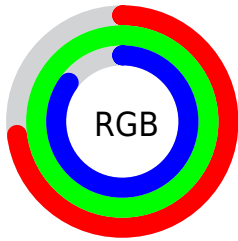
| Format | Color |
|-------------------------------------|---------------------------------------------|
| RYB | 185, 234, 255 |
| Decimal | 12189656 |
| CIELab | 94.65, -29.43, 11.73 |
| CIElCh | 95, 31.677, 158.269 |
| Yxy | 86.7922, 0.2924, 0.3724 |
| Android (android.graphics.Color) | 4290379736 (0xFFB9FFD8) |
| YUV | 229.6240, -6.7166, -39.1352 |
| Hunter-Lab | 93.1623, -32.4632, 15.4953 |

Details

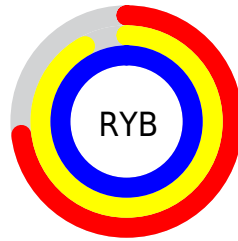
The Yxy color **86.7922, 0.2924, 0.3724** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.3030, 0.3400, 0.2894**, and the grayscale version is **78.8857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **47.7072, 0.2876, 0.3829** is the 20% darker color. If you saturate the color by 10%, you get **83.1891, 0.2859, 0.3913**, and if you desaturate by 10%, it is **91.0074, 0.2995, 0.3551**.

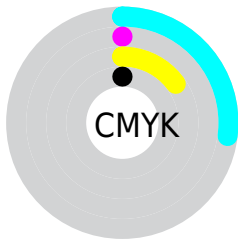
Distribution



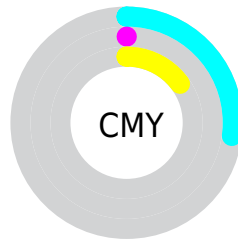
- Red (73%)
- Green (100%)
- Blue (85%)



- Red (73%)
- Yellow (92%)
- 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 86.7922, 0.2924, 0.3724 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 86.7922, 0.2924, 0.3724 by changing the saturation by 10% instead.

 86.7922, 0.2924,
0.3724

 86.7922, 0.2924,
0.3724

517.5398, 0.3018,
0.3523

 65.3233, 0.2902,
0.3770

 142.8745, 0.2957,
0.3654

 47.7232, 0.2876,
0.3827

178.2566, 0.2969,
0.3627

 33.6078, 0.2842,
0.3899


219.0452, 0.2980,
0.3604

 22.5924, 0.2798,
0.3993

265.6247, 0.2990,
0.3583

 14.2929, 0.2738,
0.4121

318.3796, 0.2998,
0.3566

 8.3246, 0.2651,
0.4307

377.6941, 0.3006,

 4.3034, 0.2516,

0.3550

0.4595

443.9527, 0.3012,
0.3536

■ 1.8447, 0.2278,
0.5105

■ 0.5148, 0.0000,
1.0000

■ 86.7922, 0.2924,
0.3724

■ 86.7922, 0.2924,
0.3724

■ 83.1891, 0.2859,
0.3913

■ 91.0074, 0.2995,
0.3551

■ 80.1960, 0.2804,
0.4118

■ 95.8943, 0.3070,
0.3395

■ 77.7680, 0.2762,
0.4333

100.0000, 0.3127,
0.3290

■ 75.8664, 0.2737,
0.4554

■ 74.4476, 0.2731,
0.4774

■ 73.4601, 0.2744,
0.4985

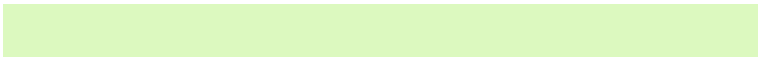
■ 72.8375, 0.2776,
0.5181

■ 72.7139, 0.2785,
0.5228

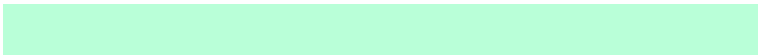
Harmonies

Analogous

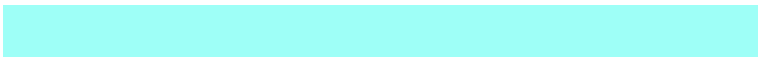
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7922, 0.3281, 0.3915



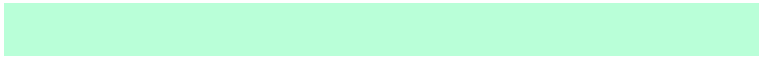
86.7922, 0.2924, 0.3724



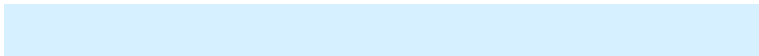
86.7922, 0.2633, 0.3397

Triad

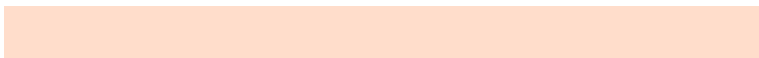
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.7922, 0.2924, 0.3724



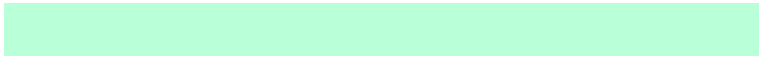
86.7922, 0.2646, 0.2705



86.7922, 0.3826, 0.3456

Complementary

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



86.7922, 0.2924, 0.3724



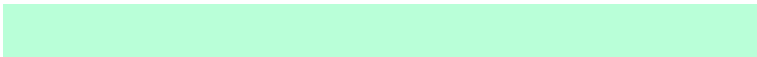
61.3030, 0.3400, 0.2894

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.



86.7922, 0.3637, 0.3161



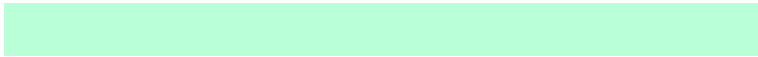
86.7922, 0.2924, 0.3724



86.7922, 0.2943, 0.2743

Square

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



86.7922, 0.2924, 0.3724



86.7922, 0.2480, 0.2812



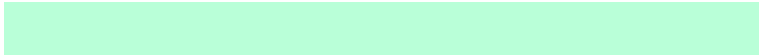
86.7922, 0.3307, 0.2907



86.7922, 0.3813, 0.3730

Rectangle

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



86.7922, 0.2924, 0.3724



86.7922, 0.2511, 0.3165



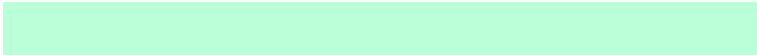
86.7922, 0.3307, 0.2907



86.7922, 0.3784, 0.3357

Sweetspot

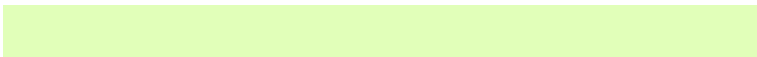
The Sweet Spot groups the original color and five complimentary colors.



86.7822, 0.2924, 0.3724



95.6243, 0.3066, 0.3403



90.9681, 0.3340, 0.4028



20.3020, 0.3055, 0.3425



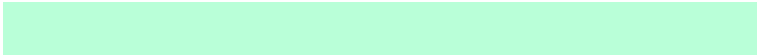
0.0000, 0.0000, 0.0000



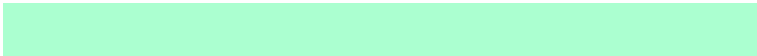
21.4041, 0.3127, 0.3290

Same Dimension

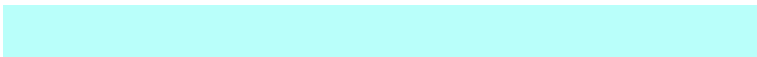
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7822, 0.2924, 0.3724



84.7232, 0.2887, 0.3826



88.7473, 0.2749, 0.3339



20.3020, 0.3055, 0.3425



38.0235, 0.2777, 0.5197



3.7238, 0.2716, 0.4976

Inverse Universe

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



61.3030, 0.3400, 0.2894



55.3747, 0.3472, 0.2811



59.6252, 0.3689, 0.3243



18.1564, 0.3207, 0.3158



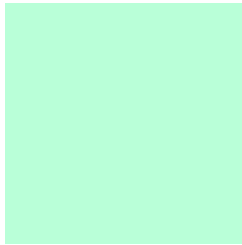
12.1587, 0.4725, 0.2376



1.2059, 0.4504, 0.2255

Previews

White Background



This preview shows how the Yxy color 86.7922, 0.2924, 0.3724 looks on a white background.

Color Contrast Check

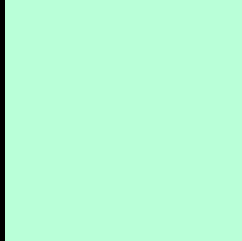
Large Text (above 18pt) WCAG AA × Fail

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 86.7922, 0.2924, 0.3724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

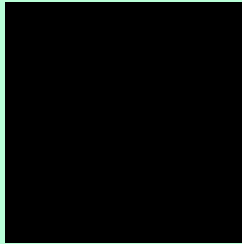
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

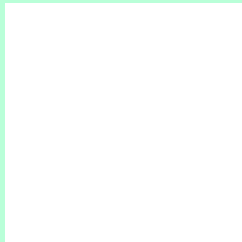
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.7922, 0.2924, 0.3724

Background



This preview shows how black text looks on a background with the Yxy color 86.7922, 0.2924, 0.3724.

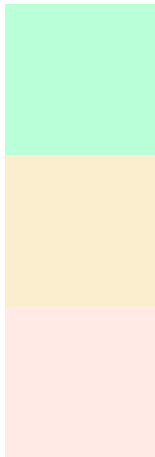


This preview shows how white text looks on a background with the Yxy color 86.7922, 0.2924, 0.3724.

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

86.7922, 0.2924, 0.3724

Protanopia

85.9781, 0.3406, 0.3604

Deuteranopia

85.8188, 0.3296, 0.3330



Tritanopia

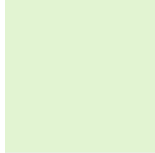
86.5203, 0.2890, 0.3176

Trichromacy



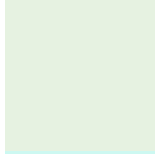
Original Color

86.7922, 0.2924, 0.3724



Protanomaly

85.5233, 0.3215, 0.3649



Deuteranomaly

85.7635, 0.3152, 0.3466



Tritanomaly

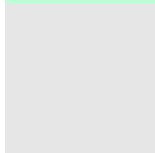
86.4648, 0.2903, 0.3364

Monochromacy



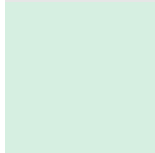
Original Color

86.7922, 0.2924, 0.3724



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.4654, 0.3048, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7922, 0.2924, 0.3724 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(185, 255, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 216) }
```

Border

The CSS property to change the border of an element to Yxy 86.7922, 0.2924, 0.3724 is called "border". The border property can be set on classes, ids or directly on the HTML element.

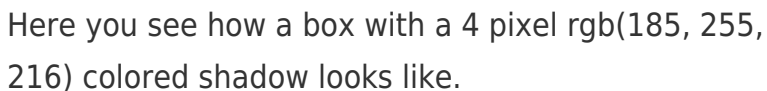
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 255, 216) }
```

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

```
.border{ border-color:rgb(185, 255, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(185, 255,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7922, 0.2924, 0.3724 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, 216) }
```

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

```
.background{ background-color: rgb(185,  
255, 216) }
```

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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