

Converting Colors

$Yxy(91.2385, 0.2934, 0.3839)$

Have a look what the booklet for
Yxy(91.2385, 0.2934, 0.3839)
contains.

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Color

Yxy(86.3914, 0.2929, 0.3760)

Conversions

Conversions Part 1

Format	Color
Hex	B7FFD5
RGB	183, 255, 213
RGB Percent	72%, 100%, 84%
CMY	0.2823, 0.0000, 0.1647
CMYK	0.28, 0.00, 0.16, 0.00
HSL	145°, 100%, 86%
HSV	145°, 28%, 100%
XYZ	67.2980, 86.3914, 76.0750
YIQ	228.6840, -29.4300, -28.3260

Conversions

Conversions Part 2

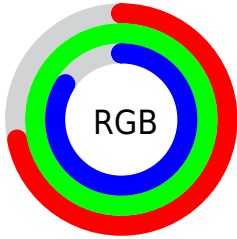
Format	Color
RYB	183, 234, 255
Decimal	12058581
CIELab	94.48, -30.56, 13.01
CIElCh	94, 33.212, 156.934
Yxy	86.3914, 0.2929, 0.3760
Android (android.graphics.Color)	4290248661 (0xFFB7FFD5)
YUV	228.6840, -7.7322, -40.0649
Hunter-Lab	92.9470, -33.4148, 16.5354

Details

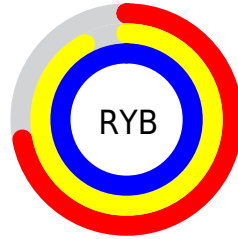
The Yxy color **86.3914, 0.2929, 0.3760** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.5641, 0.3394, 0.2864**, and the grayscale version is **78.1837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **47.4460, 0.2882, 0.3878** is the 20% darker color. If you saturate the color by 10%, you get **82.8214, 0.2868, 0.3961**, and if you desaturate by 10%, it is **90.5971, 0.2997, 0.3577**.

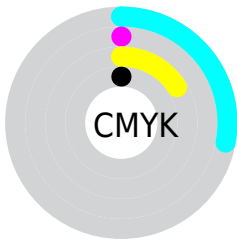
Distribution



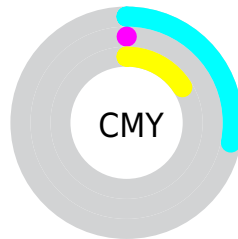
- Red (72%)
- Green (100%)
- Blue (84%)



- Red (72%)
- Yellow (92%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)



- Cyan (28%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.3914, 0.2929, 0.3760 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 86.3914, 0.2929, 0.3760 by changing the saturation by 10% instead.

 86.3914, 0.2929,
0.3760

 86.3914, 0.2929,
0.3760


516.2209, 0.3022,
0.3542

 64.9917, 0.2908,
0.3810


 142.3156, 0.2961,
0.3684

 47.4543, 0.2881,
0.3872

177.6088, 0.2974,
0.3655

 33.3950, 0.2848,
0.3951


218.3019, 0.2985,
0.3629

 22.4292, 0.2803,
0.4054

264.7795, 0.2994,
0.3607

 14.1726, 0.2743,
0.4195

317.4257, 0.3002,
0.3588

 8.2408, 0.2655,
0.4399

376.6251, 0.3009,

 4.2494, 0.2517,

0.3571

0.4718

442.7621, 0.3016,
0.3555

1.8140, 0.2269,
0.5293

0.4959, 0.0000,
1.0000

86.3914, 0.2929,
0.3760

86.3914, 0.2929,
0.3760

82.8214, 0.2868,
0.3961

90.5971, 0.2997,
0.3577

79.8547, 0.2816,
0.4176

95.4686, 0.3068,
0.3412

77.4558, 0.2778,
0.4403

100.0000, 0.3127,
0.3290

75.5855, 0.2756,
0.4634

■ 74.1992, 0.2752,
0.4863

■ 73.2446, 0.2769,
0.5080

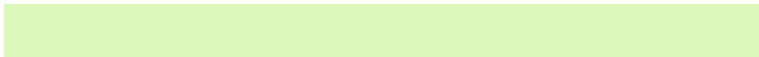
■ 72.6501, 0.2802,
0.5278

■ 72.5655, 0.2809,
0.5311

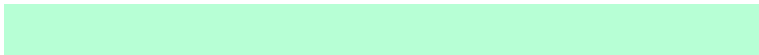
Harmonies

Analogous

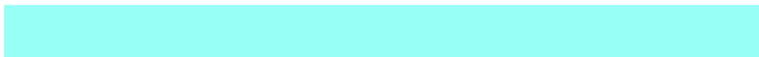
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3914, 0.3304, 0.3953



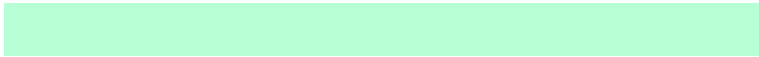
86.3914, 0.2929, 0.3760



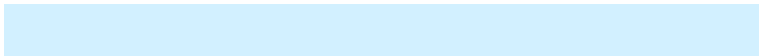
86.3914, 0.2620, 0.3418

Triad

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



86.3914, 0.2929, 0.3760



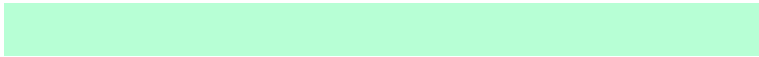
86.3914, 0.2611, 0.2679



86.3914, 0.3857, 0.3449

Complementary

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



86.3914, 0.2929, 0.3760



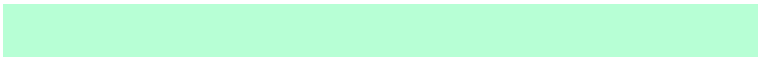
60.5641, 0.3394, 0.2864

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.



86.3914, 0.3650, 0.3141



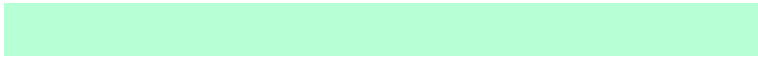
86.3914, 0.2929, 0.3760



86.3914, 0.2917, 0.2713

Square

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



86.3914, 0.2929, 0.3760



86.3914, 0.2446, 0.2796



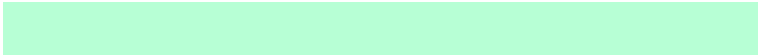
86.3914, 0.3298, 0.2879



86.3914, 0.3853, 0.3738

Rectangle

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



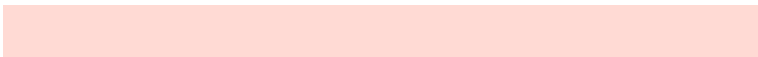
86.3914, 0.2929, 0.3760



86.3914, 0.2487, 0.3173



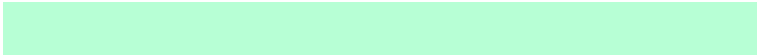
86.3914, 0.3298, 0.2879



86.3914, 0.3810, 0.3345

Sweetspot

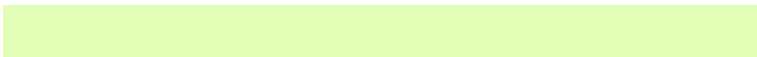
The Sweet Spot groups the original color and five complimentary colors.



86.3914, 0.2929, 0.3760



95.5912, 0.3069, 0.3408



91.1402, 0.3362, 0.4046



20.2937, 0.3058, 0.3432



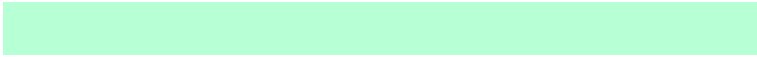
0.0000, 0.0000, 0.0000



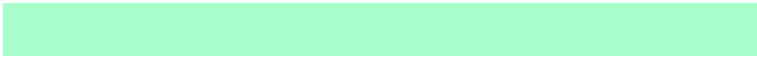
21.4041, 0.3127, 0.3290

Same Dimension

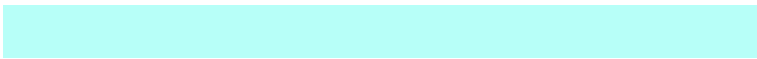
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3914, 0.2929, 0.3760



84.2576, 0.2893, 0.3874



88.3524, 0.2751, 0.3366



20.2937, 0.3058, 0.3432



37.9451, 0.2800, 0.5281



3.7158, 0.2738, 0.5056

Inverse Universe

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



60.5641, 0.3394, 0.2864



54.4844, 0.3466, 0.2774



58.8541, 0.3688, 0.3216



18.1649, 0.3202, 0.3152



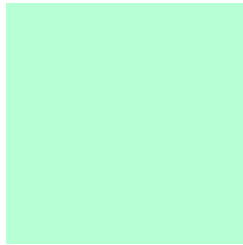
12.2692, 0.4613, 0.2315



1.2164, 0.4408, 0.2202

Previews

White Background



This preview shows how the Yxy color 86.3914, 0.2929, 0.3760 looks on a white background.

Color Contrast Check

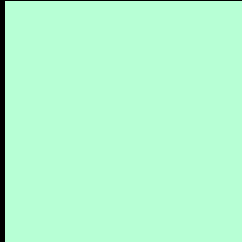
Large Text (above 18pt) WCAG AA × Fail

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 86.3914, 0.2929, 0.3760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

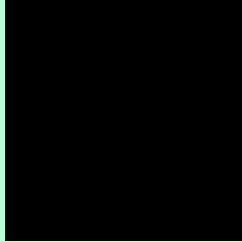
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.3914, 0.2929, 0.3760

Background



This preview shows how black text looks on a background with the Yxy color 86.3914, 0.2929, 0.3760.

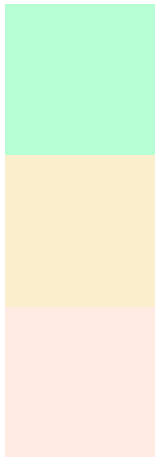


This preview shows how white text looks on a background with the Yxy color 86.3914, 0.2929, 0.3760.

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

86.3914, 0.2929, 0.3760

Protanopia

85.8327, 0.3426, 0.3634

Deuteranopia

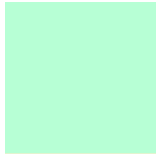
85.7071, 0.3309, 0.3350



Tritanopia

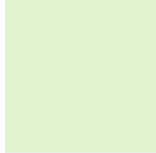
85.7683, 0.2883, 0.3166

Trichromacy



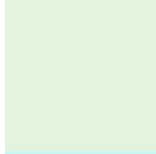
Original Color

86.3914, 0.2929, 0.3760



Protanomaly

85.3751, 0.3233, 0.3681



Deuteranomaly

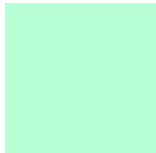
85.4900, 0.3157, 0.3488



Tritanomaly

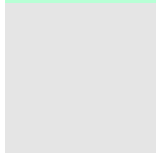
85.5093, 0.2896, 0.3364

Monochromacy



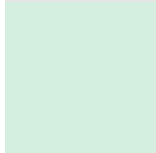
Original Color

86.3914, 0.2929, 0.3760



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.4738, 0.3048, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3914, 0.2929, 0.3760 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 213) }
```

Border

The CSS property to change the border of an element to Yxy 86.3914, 0.2929, 0.3760 is called "border". The border property can be set on classes, ids or directly on the HTML element.

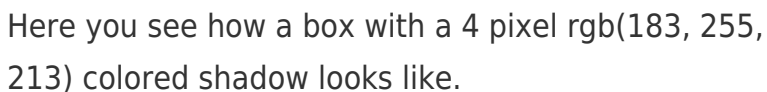
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 255, 213) }
```

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

```
.border{ border-color:rgb(183, 255, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3914, 0.2929, 0.3760 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, 213) }
```

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

```
.background{ background-color: rgb(183,  
255, 213) }
```

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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