

Converting Colors

$Yxy(86.9549, 0.2929, 0.3718)$

Have a look what the booklet for
Yxy(86.9549, 0.2929, 0.3718)
contains.

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Color

Yxy(86.9170, 0.2930, 0.3723)

Conversions

Conversions Part 1

Format	Color
Hex	BAFFD8
RGB	186, 255, 216
RGB Percent	73%, 100%, 85%
CMY	0.2706, 0.0000, 0.1529
CMYK	0.27, 0.00, 0.15, 0.00
HSL	146°, 100%, 86%
HSV	146°, 27%, 100%
XYZ	68.4037, 86.9170, 78.1389
YIQ	229.9230, -28.6050, -26.7570

Conversions

Conversions Part 2

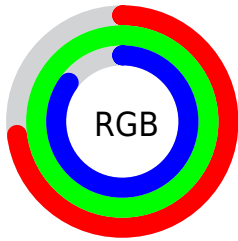
Format	Color
RYB	186, 234, 255
Decimal	12255192
CIELab	94.70, -29.09, 11.81
CIElCh	95, 31.398, 157.911
Yxy	86.9170, 0.2930, 0.3723
Android (android.graphics.Color)	4290445272 (0xFFBAFFD8)
YUV	229.9230, -6.8640, -38.5205
Hunter-Lab	93.2293, -32.1833, 15.5674

Details

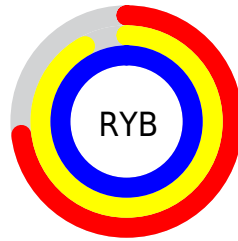
The Yxy color **86.9170, 0.2930, 0.3723** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.8121, 0.3390, 0.2895**, and the grayscale version is **79.1372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **47.7867, 0.2883, 0.3828** is the 20% darker color. If you saturate the color by 10%, you get **83.2899, 0.2866, 0.3915**, and if you desaturate by 10%, it is **91.1789, 0.3000, 0.3548**.

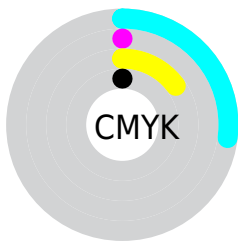
Distribution



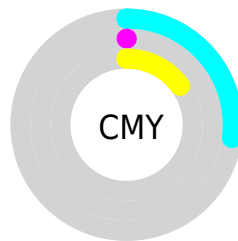
- Red (73%)
- Green (100%)
- Blue (85%)



- 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 86.9170, 0.2930, 0.3723 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 86.9170, 0.2930, 0.3723 by changing the saturation by 10% instead.

 86.9170, 0.2930,
0.3723

 86.9170, 0.2930,
0.3723


517.9501, 0.3021,
0.3522

 65.4265, 0.2909,
0.3769


 143.0484, 0.2962,
0.3653

 47.8070, 0.2883,
0.3825

178.4582, 0.2974,
0.3626

 33.6741, 0.2850,
0.3897


219.2765, 0.2985,
0.3603

 22.6433, 0.2807,
0.3991

265.8878, 0.2994,
0.3583

 14.3304, 0.2749,
0.4119

318.6763, 0.3002,
0.3565

 8.3508, 0.2665,
0.4303

378.0267, 0.3009,

 4.3202, 0.2533,

0.3549

0.4591

444.3231, 0.3016,
0.3535

■ 1.8543, 0.2300,
0.5097

■ 0.5207, 0.0000,
1.0000

■ 86.9170, 0.2930,
0.3723

■ 86.9170, 0.2930,
0.3723

■ 83.2899, 0.2866,
0.3915

■ 91.1789, 0.3000,
0.3548

■ 80.2663, 0.2811,
0.4122

■ 96.1059, 0.3074,
0.3391

■ 77.8111, 0.2769,
0.4340

100.0000, 0.3127,
0.3290

■ 75.8858, 0.2744,
0.4564

■ 74.4466, 0.2737,
0.4787

■ 73.4427, 0.2750,
0.5002

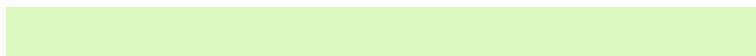
■ 72.8092, 0.2782,
0.5200

■ 72.6654, 0.2793,
0.5255

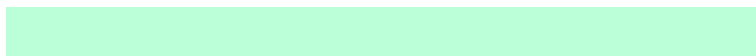
Harmonies

Analogous

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



86.9170, 0.3284, 0.3910



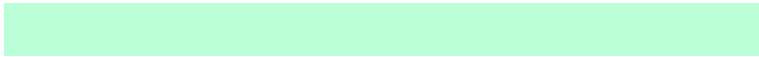
86.9170, 0.2930, 0.3723



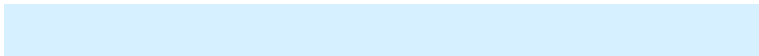
86.9170, 0.2640, 0.3400

Triad

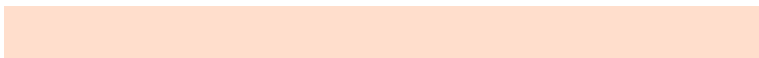
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.9170, 0.2930, 0.3723



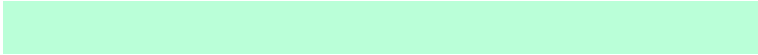
86.9170, 0.2647, 0.2711



86.9170, 0.3819, 0.3452

Complementary

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



86.9170, 0.2930, 0.3723



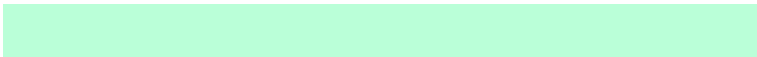
61.8121, 0.3390, 0.2895

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.



86.9170, 0.3629, 0.3159



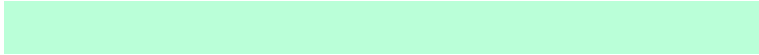
86.9170, 0.2930, 0.3723



86.9170, 0.2940, 0.2747

Square

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



86.9170, 0.2930, 0.3723



86.9170, 0.2485, 0.2818



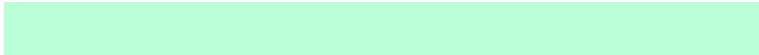
86.9170, 0.3301, 0.2908



86.9170, 0.3808, 0.3723

Rectangle

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



86.9170, 0.2930, 0.3723



86.9170, 0.2518, 0.3170



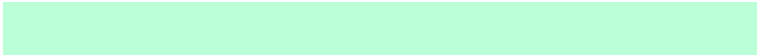
86.9170, 0.3301, 0.2908



86.9170, 0.3776, 0.3353

Sweetspot

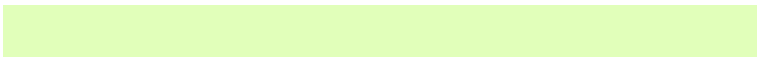
The Sweet Spot groups the original color and five complimentary colors.



86.9168, 0.2930, 0.3723



95.6137, 0.3067, 0.3405



91.0884, 0.3337, 0.4016



20.2994, 0.3056, 0.3427



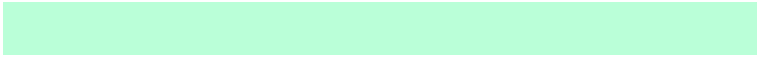
0.0000, 0.0000, 0.0000



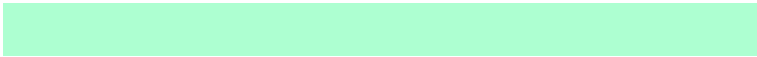
21.4041, 0.3127, 0.3290

Same Dimension

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



86.9168, 0.2930, 0.3723



85.0477, 0.2897, 0.3816



88.8859, 0.2754, 0.3338



20.2994, 0.3056, 0.3427



37.9979, 0.2784, 0.5224



3.7212, 0.2723, 0.5002

Inverse Universe

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



61.8121, 0.3390, 0.2895



56.4424, 0.3453, 0.2820



60.1202, 0.3677, 0.3244



18.1591, 0.3205, 0.3156



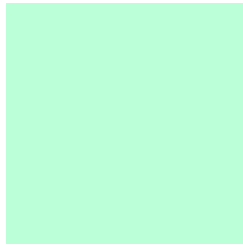
12.1932, 0.4689, 0.2357



1.2092, 0.4473, 0.2238

Previews

White Background



This preview shows how the Yxy color 86.9170, 0.2930, 0.3723 looks on a white background.

Color Contrast Check

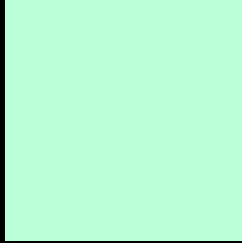
Large Text (above 18pt) WCAG AA × Fail

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 86.9170, 0.2930, 0.3723 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 86.9170, 0.2930, 0.3723

Background



This preview shows how black text looks on a background with the Yxy color 86.9170, 0.2930, 0.3723.

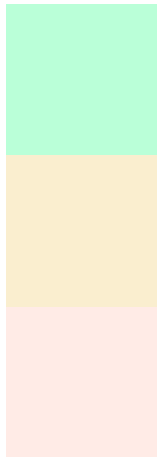


This preview shows how white text looks on a background with the Yxy color 86.9170, 0.2930, 0.3723.

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

86.9170, 0.2930, 0.3723

Protanopia

85.9781, 0.3406, 0.3604

Deuteranopia

86.3898, 0.3295, 0.3340



Tritanopia

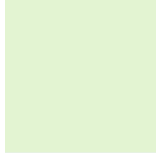
86.6731, 0.2896, 0.3176

Trichromacy



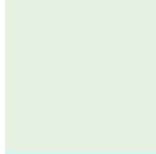
Original Color

86.9170, 0.2930, 0.3723



Protanomaly

85.6854, 0.3221, 0.3648



Deuteranomaly

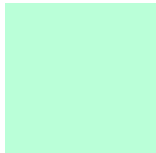
85.7635, 0.3152, 0.3466



Tritanomaly

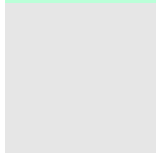
86.6075, 0.2909, 0.3363

Monochromacy



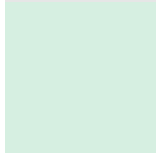
Original Color

86.9170, 0.2930, 0.3723



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 86.9170, 0.2930, 0.3723 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(186, 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(186, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 216) }
```

Border

The CSS property to change the border of an element to Yxy 86.9170, 0.2930, 0.3723 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, 216) }
```

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

```
.border{ border-color:rgb(186, 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(186, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9170, 0.2930, 0.3723 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, 216) }
```

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

```
.background{ background-color: rgb(186,  
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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