

Converting Colors

$Y_{xy}(107.4946, 0.2921, 0.3987)$

Have a look what the booklet for
Yxy(107.4946, 0.2921, 0.3987)
contains.

Yxy(86.9488, 0.2909, 0.3689)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(86.9488, 0.2909, 0.3689)

Conversions

Conversions Part 1

Format	Color
Hex	B9FFDB
RGB	185, 255, 219
RGB Percent	73%, 100%, 86%
CMY	0.2743, 0.0000, 0.1412
CMYK	0.27, 0.00, 0.14, 0.00
HSL	149°, 100%, 86%
HSV	149°, 27%, 100%
XYZ	68.5644, 86.9488, 80.1843
YIQ	229.9660, -30.1640, -26.0360

Conversions

Conversions Part 2

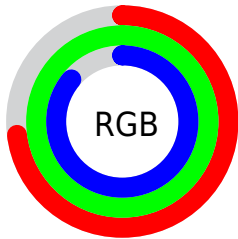
Format	Color
RYB	185, 232, 255
Decimal	12189659
CIELab	94.72, -28.80, 10.28
CIELCh	95, 30.581, 160.354
Yxy	86.9488, 0.2909, 0.3689
Android (android.graphics.Color)	4290379739 (0xFFB9FFDB)
YUV	229.9660, -5.4062, -39.4352
Hunter-Lab	93.2463, -31.9294, 14.2879

Details

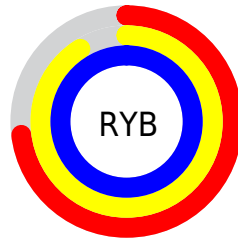
The Yxy color **86.9488, 0.2909, 0.3689** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.2069, 0.3423, 0.2924**, and the grayscale version is **79.1726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **47.8143, 0.2857, 0.3784** is the 20% darker color. If you saturate the color by 10%, you get **83.3946, 0.2839, 0.3863**, and if you desaturate by 10%, it is **91.1335, 0.2986, 0.3530**.

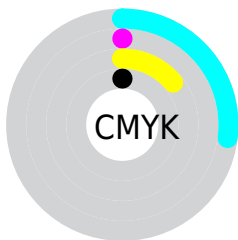
Distribution



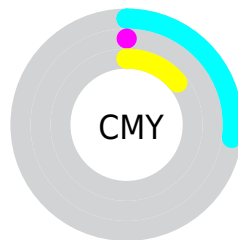
- Red (73%)
- Green (100%)
- Blue (86%)



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



- Cyan (27%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.9488, 0.2909, 0.3689 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 86.9488, 0.2909, 0.3689 by changing the saturation by 10% instead.


 86.9488, 0.2909,
0.3689

 86.9488, 0.2909,
0.3689


518.0546, 0.3009,
0.3505

 65.4528, 0.2886,
0.3731


 143.0928, 0.2944,
0.3625

 47.8284, 0.2858,
0.3783


178.5096, 0.2957,
0.3600

 33.6910, 0.2823,
0.3849


219.3354, 0.2969,
0.3579

 22.6563, 0.2777,
0.3934

265.9548, 0.2979,
0.3560

 14.3399, 0.2714,
0.4051

318.7520, 0.2988,
0.3544

 8.3575, 0.2625,
0.4219

378.1114, 0.2996,

 4.3245, 0.2487,

0.3529

0.4480

444.4175, 0.3003,
0.3516

1.8567, 0.2248,
0.4938

0.5222, 0.0000,
1.0000

86.9488, 0.2909,
0.3689

86.9488, 0.2909,
0.3689

83.3946, 0.2839,
0.3863

91.1335, 0.2986,
0.3530

80.4285, 0.2780,
0.4051

95.9671, 0.3066,
0.3386

78.0195, 0.2734,
0.4249

99.9958, 0.3127,
0.3290

76.1293, 0.2706,
0.4453

■ 74.7146, 0.2697,
0.4658

■ 73.7247, 0.2708,
0.4857

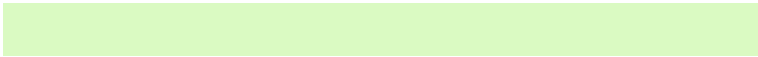
■ 73.0937, 0.2738,
0.5044

■ 72.9645, 0.2747,
0.5090

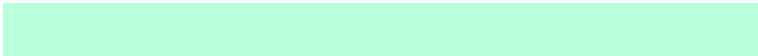
Harmonies

Analogous

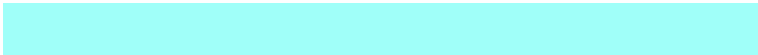
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9488, 0.3252, 0.3885



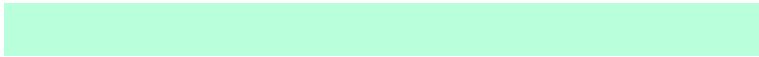
86.9488, 0.2909, 0.3689



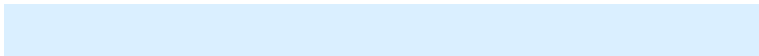
86.9488, 0.2635, 0.3370

Triad

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



86.9488, 0.2909, 0.3689



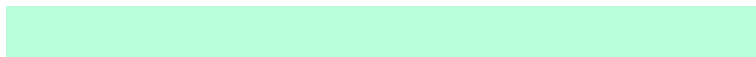
86.9488, 0.2678, 0.2723



86.9488, 0.3807, 0.3472

Complementary

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



86.9488, 0.2909, 0.3689



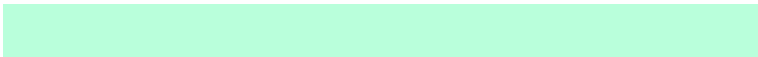
61.2069, 0.3423, 0.2924

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.



86.9488, 0.3637, 0.3185



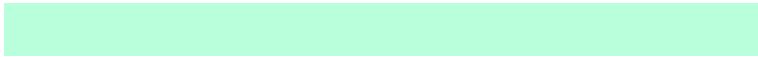
86.9488, 0.2909, 0.3689



86.9488, 0.2973, 0.2769

Square

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



86.9488, 0.2909, 0.3689



86.9488, 0.2508, 0.2817



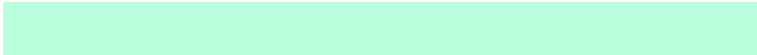
86.9488, 0.3325, 0.2935



86.9488, 0.3781, 0.3732

Rectangle

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



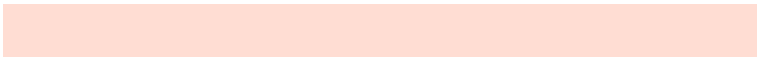
86.9488, 0.2909, 0.3689



86.9488, 0.2523, 0.3148



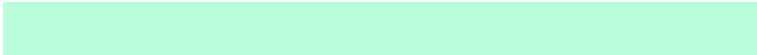
86.9488, 0.3325, 0.2935



86.9488, 0.3771, 0.3376

Sweetspot

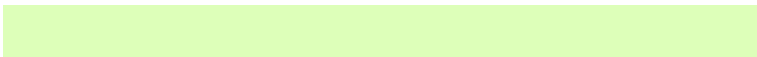
The Sweet Spot groups the original color and five complimentary colors.



86.9524, 0.2909, 0.3689



95.6762, 0.3061, 0.3394



90.4239, 0.3317, 0.4032



20.3151, 0.3049, 0.3415



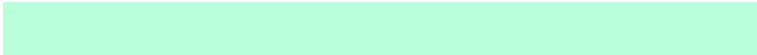
0.0000, 0.0000, 0.0000



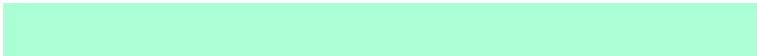
21.4041, 0.3127, 0.3290

Same Dimension

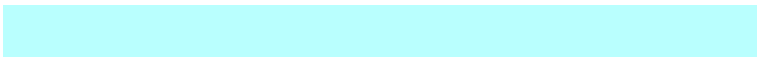
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9524, 0.2909, 0.3689



84.8987, 0.2869, 0.3784



88.9828, 0.2732, 0.3301



20.3151, 0.3049, 0.3415



38.1576, 0.2739, 0.5061



3.7372, 0.2680, 0.4849

Inverse Universe

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



61.2069, 0.3423, 0.2924



55.1926, 0.3503, 0.2846



59.5382, 0.3717, 0.3280



18.1432, 0.3213, 0.3168



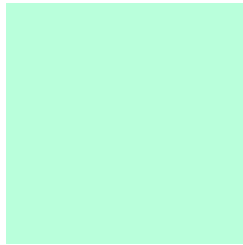
11.9990, 0.4902, 0.2474



1.1904, 0.4656, 0.2338

Previews

White Background



This preview shows how the Yxy color 86.9488, 0.2909, 0.3689 looks on a white background.

Color Contrast Check

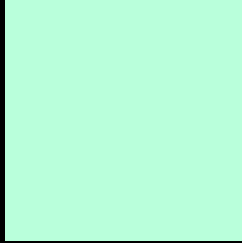
Large Text (above 18pt) WCAG AA × Fail

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 86.9488, 0.2909, 0.3689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

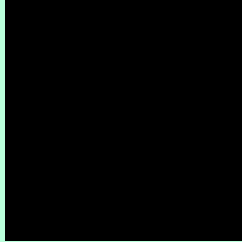
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.9488, 0.2909, 0.3689

Background



This preview shows how black text looks on a background with the Yxy color 86.9488, 0.2909, 0.3689.

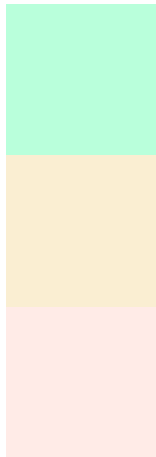


This preview shows how white text looks on a background with the Yxy color 86.9488, 0.2909, 0.3689.

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

86.9488, 0.2909, 0.3689

Protanopia

86.1262, 0.3386, 0.3573

Deuteranopia

86.4462, 0.3289, 0.3330



Tritanopia

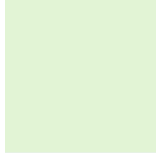
86.6731, 0.2896, 0.3176

Trichromacy



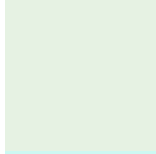
Original Color

86.9488, 0.2909, 0.3689



Protanomaly

85.6742, 0.3197, 0.3617



Deuteranomaly

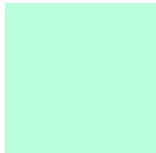
85.8733, 0.3139, 0.3445



Tritanomaly

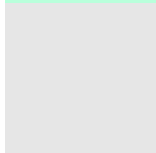
86.5247, 0.2897, 0.3353

Monochromacy



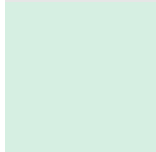
Original Color

86.9488, 0.2909, 0.3689



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 86.9488, 0.2909, 0.3689 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(185, 255, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 219) }
```

Border

The CSS property to change the border of an element to Yxy 86.9488, 0.2909, 0.3689 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, 219) }
```

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

```
.border{ border-color:rgb(185, 255, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(185, 255,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9488, 0.2909, 0.3689 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, 219) }
```

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

```
.background{ background-color: rgb(185,  
255, 219) }
```

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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