

Converting Colors

$Yxy(86.5689, 0.2978, 0.3820)$

Have a look what the booklet for
Yxy(86.5689, 0.2978, 0.3820)
contains.

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Color

Yxy(86.6389, 0.2978, 0.3815)

Conversions

Conversions Part 1

Format	Color
Hex	BBFFD0
RGB	187, 255, 208
RGB Percent	73%, 100%, 82%
CMY	0.2668, 0.0000, 0.1843
CMYK	0.27, 0.00, 0.18, 0.00
HSL	139°, 100%, 87%
HSV	139°, 27%, 100%
XYZ	67.6306, 86.6389, 72.8312
YIQ	229.3100, -25.4410, -29.0330

Conversions

Conversions Part 2

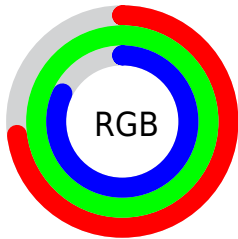
Format	Color
RYB	187, 239, 255
Decimal	12320720
CIELab	94.58, -30.28, 15.75
CIELCh	95, 34.131, 152.513
Yxy	86.6389, 0.2978, 0.3815
Android (android.graphics.Color)	4290510800 (0xFFBBFFD0)
YUV	229.3100, -10.5058, -37.1059
Hunter-Lab	93.0800, -33.1946, 18.7641

Details

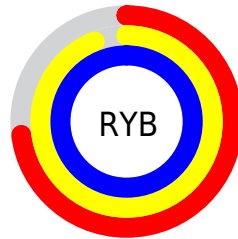
The Yxy color **86.6389, 0.2978, 0.3815** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.7212, 0.3318, 0.2818**, and the grayscale version is **78.6772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **47.6268, 0.2936, 0.3934** is the 20% darker color. If you saturate the color by 10%, you get **82.8794, 0.2928, 0.4052**, and if you desaturate by 10%, it is **91.0551, 0.3033, 0.3599**.

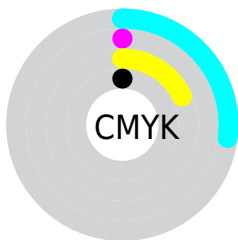
Distribution



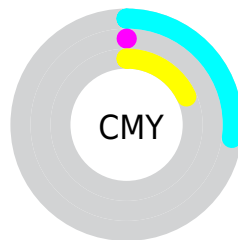
- Red (73%)
- Green (100%)
- Blue (82%)



- Red (73%)
- Yellow (94%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.6389, 0.2978, 0.3815 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 86.6389, 0.2978, 0.3815 by changing the saturation by 10% instead.

 86.6389, 0.2978,
0.3815

 86.6389, 0.2978,
0.3815


517.0356, 0.3049,
0.3570

 65.1964, 0.2961,
0.3871


 142.6607, 0.3003,
0.3730

 47.6204, 0.2940,
0.3941


178.0089, 0.3013,
0.3697

 33.5263, 0.2913,
0.4029


218.7610, 0.3021,
0.3668

 22.5300, 0.2877,
0.4145

265.3015, 0.3028,
0.3644

 14.2468, 0.2826,
0.4304

318.0149, 0.3035,
0.3622

 8.2925, 0.2751,
0.4533

377.2854, 0.3040,

 4.2827, 0.2629,

0.3603

0.4892

443.4975, 0.3045,
0.3586

■ 1.8329, 0.2422,
0.5579

■ 0.5076, 0.0000,
1.0000

■ 86.6389, 0.2978,
0.3815

■ 86.6389, 0.2978,
0.3815

■ 82.8794, 0.2928,
0.4052

■ 91.0551, 0.3033,
0.3599

■ 79.7590, 0.2885,
0.4307

■ 96.1748, 0.3089,
0.3406

■ 77.2363, 0.2853,
0.4574

■ 100.0000, 0.3127,
0.3290

■ 75.2711, 0.2835,
0.4844

■ 73.8182, 0.2833,
0.5104

■ 72.8249, 0.2849,
0.5342

■ 72.2257, 0.2879,
0.5547

■ 72.0824, 0.2891,
0.5606

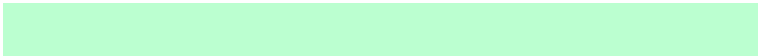
Harmonies

Analogous

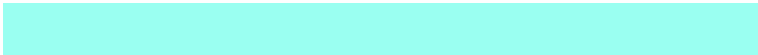
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6389, 0.3364, 0.3982



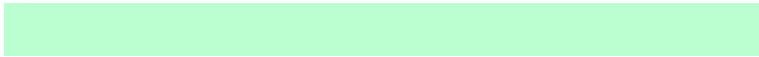
86.6389, 0.2978, 0.3815



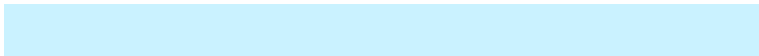
86.6389, 0.2646, 0.3478

Triad

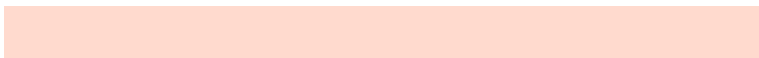
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.6389, 0.2978, 0.3815



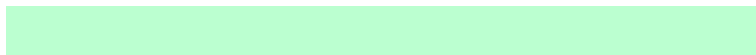
86.6389, 0.2563, 0.2672



86.6389, 0.3858, 0.3405

Complementary

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



86.6389, 0.2978, 0.3815



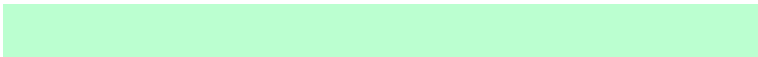
62.7212, 0.3318, 0.2818

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.



86.6389, 0.3617, 0.3093



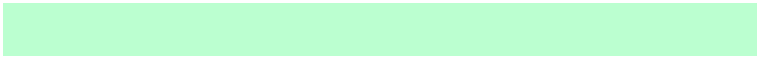
86.6389, 0.2978, 0.3815



86.6389, 0.2858, 0.2685

Square

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



86.6389, 0.2978, 0.3815



86.6389, 0.2418, 0.2814



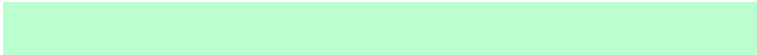
86.6389, 0.3244, 0.2837



86.6389, 0.3887, 0.3709

Rectangle

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



86.6389, 0.2978, 0.3815



86.6389, 0.2495, 0.3223



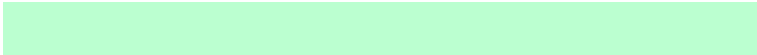
86.6389, 0.3244, 0.2837



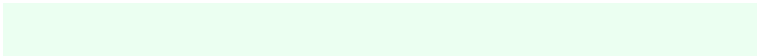
86.6389, 0.3799, 0.3298

Sweetspot

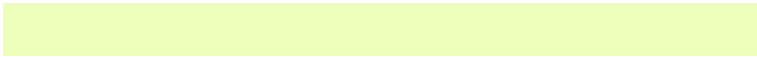
The Sweet Spot groups the original color and five complimentary colors.



86.6336, 0.2978, 0.3815



95.4596, 0.3082, 0.3431



92.6981, 0.3395, 0.3991



20.2607, 0.3073, 0.3459



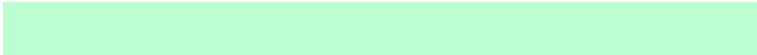
0.0000, 0.0000, 0.0000



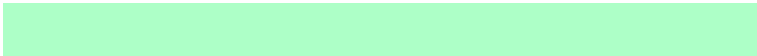
21.4041, 0.3127, 0.3290

Same Dimension

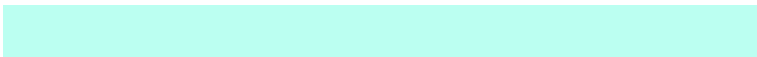
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.6336, 0.2978, 0.3815



84.5564, 0.2951, 0.3938



88.4539, 0.2804, 0.3436



20.2607, 0.3073, 0.3459



37.6880, 0.2883, 0.5578



3.6882, 0.2820, 0.5354

Inverse Universe

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



62.7212, 0.3318, 0.2818



57.0008, 0.3366, 0.2721



60.9797, 0.3590, 0.3150



18.1991, 0.3186, 0.3127



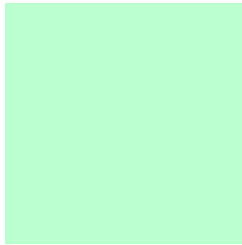
12.7777, 0.4184, 0.2078



1.2637, 0.4045, 0.2002

Previews

White Background



This preview shows how the Yxy color 86.6389, 0.2978, 0.3815 looks on a white background.

Color Contrast Check

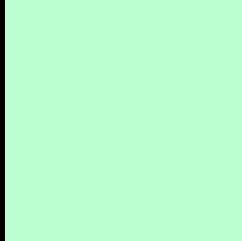
Large Text (above 18pt) WCAG AA × Fail

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 86.6389, 0.2978, 0.3815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

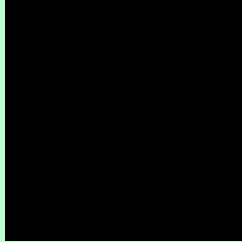
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

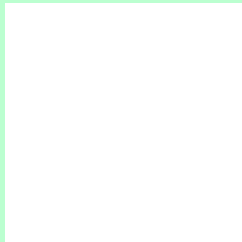
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.6389, 0.2978, 0.3815

Background



This preview shows how black text looks on a background with the Yxy color 86.6389, 0.2978, 0.3815.

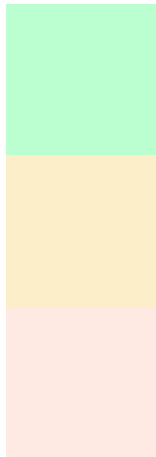


This preview shows how white text looks on a background with the Yxy color 86.6389, 0.2978, 0.3815.

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

86.6389, 0.2978, 0.3815

Protanopia

86.0146, 0.3466, 0.3674

Deuteranopia

85.6517, 0.3316, 0.3360



Tritanopia

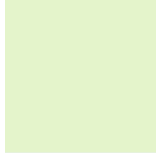
86.0729, 0.2895, 0.3166

Trichromacy



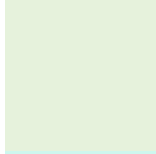
Original Color

86.6389, 0.2978, 0.3815



Protanomaly

85.5071, 0.3271, 0.3723



Deuteranomaly

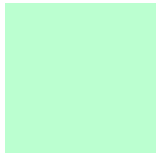
85.4946, 0.3182, 0.3519



Tritanomaly

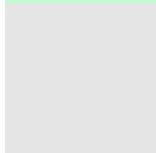
85.8164, 0.2925, 0.3385

Monochromacy



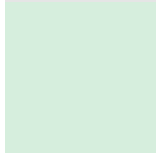
Original Color

86.6389, 0.2978, 0.3815



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.6657, 0.3073, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.6389, 0.2978, 0.3815 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(187, 255, 208)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 208)  
}
```

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(187, 255, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 208) }
```

Border

The CSS property to change the border of an element to Yxy 86.6389, 0.2978, 0.3815 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(187, 255, 208) }
```

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

```
.border{ border-color:rgb(187, 255, 208) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(187, 255, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 208);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6389, 0.2978, 0.3815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 208) }
```

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

```
.background{ background-color: rgb(187,  
255, 208) }
```

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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