

Converting Colors

Yxy(87.1189, 0.2866, 0.3580)

Have a look what the booklet for
Yxy(87.1189, 0.2866, 0.3580)
contains.

Yxy(86.9242, 0.2867, 0.3575)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.9242, 0.2867, 0.3575)

Conversions

Conversions Part 1

Format	Color
Hex	BAFEE4
RGB	186, 254, 228
RGB Percent	73%, 100%, 89%
CMY	0.2703, 0.0040, 0.1058
CMYK	0.27, 0.00, 0.10, 0.00
HSL	157°, 97%, 86%
HSV	157°, 27%, 100%
XYZ	69.7096, 86.9242, 86.5109
YIQ	230.7040, -32.1820, -22.5020

Conversions

Conversions Part 2

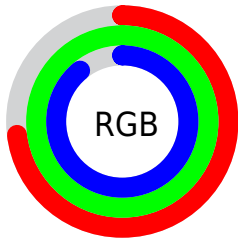
Format	Color
R _Y B	186, 228, 254
Decimal	12254948
CIE Lab	94.71, -26.27, 5.63
CIE LCh	95, 26.871, 167.899
Yxy	86.9242, 0.2867, 0.3575
Android (android.graphics.Color)	4290445028 (0xFFBAFEE4)
YUV	230.7040, -1.3331, -39.2054
Hunter-Lab	93.2331, -29.6952, 10.2481

Details

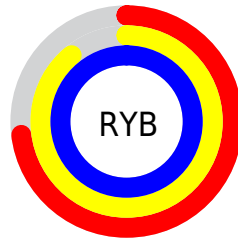
The Yxy color **86.9242, 0.2867, 0.3575** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.9746, 0.3487, 0.3023**, and the grayscale version is **79.7210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **47.7749, 0.2805, 0.3634** is the 20% darker color. If you saturate the color by 10%, you get **83.4981, 0.2782, 0.3701**, and if you desaturate by 10%, it is **90.9532, 0.2960, 0.3459**.

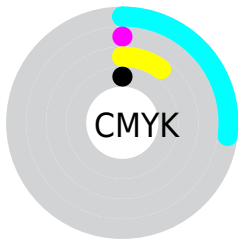
Distribution



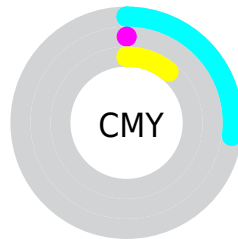
- Red (73%)
- Green (100%)
- Blue (89%)



- Red (73%)
- Yellow (89%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)



- Cyan (27%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.9242, 0.2867, 0.3575 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 86.9242, 0.2867, 0.3575 by changing the saturation by 10% instead.


 86.9242, 0.2867,
0.3575

 86.9242, 0.2867,
0.3575

517.9738, 0.2985,
0.3445

 65.4325, 0.2841,
0.3604


 143.0585, 0.2907,
0.3530

 47.8118, 0.2809,
0.3641


178.4698, 0.2923,
0.3513

 33.6779, 0.2768,
0.3686


219.2899, 0.2937,
0.3497

 22.6463, 0.2716,
0.3745

265.9029, 0.2949,
0.3484

 14.3325, 0.2647,
0.3825

318.6935, 0.2959,
0.3473

 8.3523, 0.2549,
0.3939

378.0459, 0.2969,

 4.3212, 0.2403,

0.3462

0.4113

444.3445, 0.2977,
0.3453

■ 1.8548, 0.2159,
0.4412

■ 0.5210, 0.0000,
0.7502

■ 86.9242, 0.2867,
0.3575

■ 86.9242, 0.2867,
0.3575

■ 83.4981, 0.2782,
0.3701

■ 90.9532, 0.2960,
0.3459

■ 80.6338, 0.2709,
0.3836

■ 95.6026, 0.3059,
0.3355

■ 78.3017, 0.2650,
0.3979

■ 99.3571, 0.3128,
0.3280

■ 76.4649, 0.2609,
0.4128

■ 75.0818, 0.2589,
0.4278

■ 74.1036, 0.2589,
0.4428

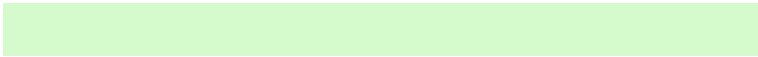
■ 73.4689, 0.2608,
0.4575

■ 73.3059, 0.2617,
0.4622

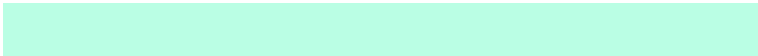
Harmonies

Analogous

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



86.9242, 0.3162, 0.3781



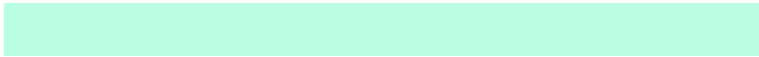
86.9242, 0.2867, 0.3575



86.9242, 0.2649, 0.3287

Triad

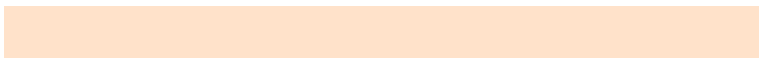
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.9242, 0.2867, 0.3575



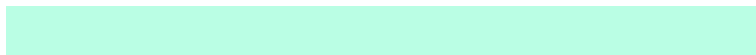
86.9242, 0.2789, 0.2787



86.9242, 0.3735, 0.3516

Complementary

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



86.9242, 0.2867, 0.3575



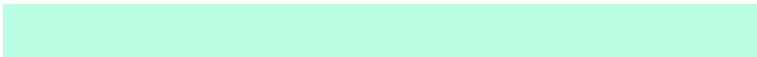
60.9746, 0.3487, 0.3023

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.



86.9242, 0.3627, 0.3263



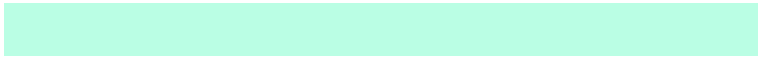
86.9242, 0.2867, 0.3575



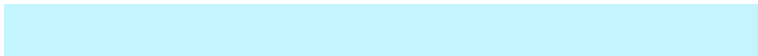
86.9242, 0.3069, 0.2856

Square

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



86.9242, 0.2867, 0.3575



86.9242, 0.2605, 0.2841



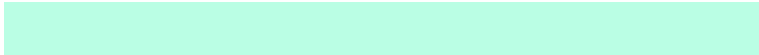
86.9242, 0.3378, 0.3026



86.9242, 0.3670, 0.3727

Rectangle

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



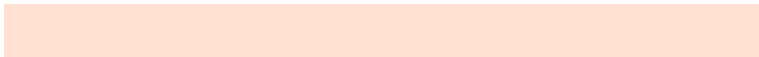
86.9242, 0.2867, 0.3575



86.9242, 0.2571, 0.3100



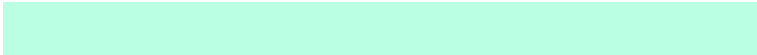
86.9242, 0.3378, 0.3026



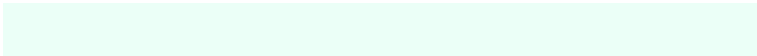
86.9242, 0.3717, 0.3433

Sweetspot

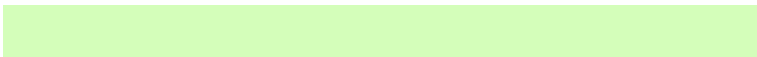
The Sweet Spot groups the original color and five complimentary colors.



86.9278, 0.2867, 0.3575



95.8417, 0.3046, 0.3367



88.4387, 0.3254, 0.4025



20.3568, 0.3031, 0.3382



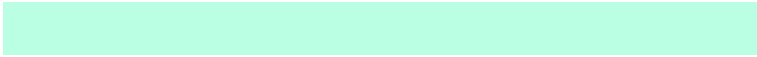
0.0000, 0.0000, 0.0000



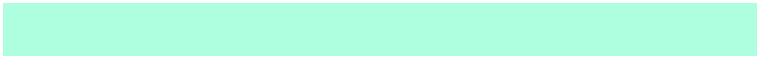
21.4041, 0.3127, 0.3290

Same Dimension

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



86.9278, 0.2867, 0.3575



85.8203, 0.2821, 0.3640



83.5556, 0.2727, 0.3204



20.3568, 0.3031, 0.3382



38.6811, 0.2611, 0.4598



3.7876, 0.2564, 0.4432

Inverse Universe

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



60.9746, 0.3487, 0.3023



55.6898, 0.3583, 0.2968



63.2003, 0.3686, 0.3374



18.1021, 0.3234, 0.3199



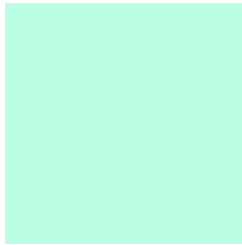
11.5919, 0.5455, 0.2779



1.1492, 0.5148, 0.2610

Previews

White Background



This preview shows how the Yxy color 86.9242, 0.2867, 0.3575 looks on a white background.

Color Contrast Check

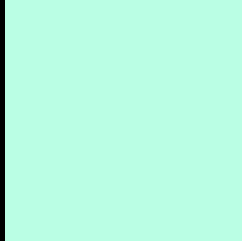
Large Text (above 18pt) WCAG AA × Fail

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 86.9242, 0.2867, 0.3575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

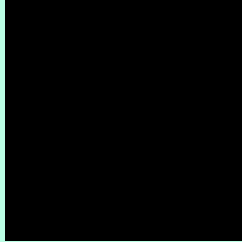
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

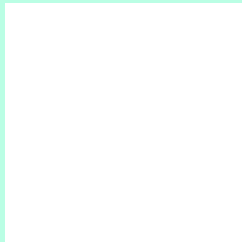
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.9242, 0.2867, 0.3575

Background



This preview shows how black text looks on a background with the Yxy color 86.9242, 0.2867, 0.3575.

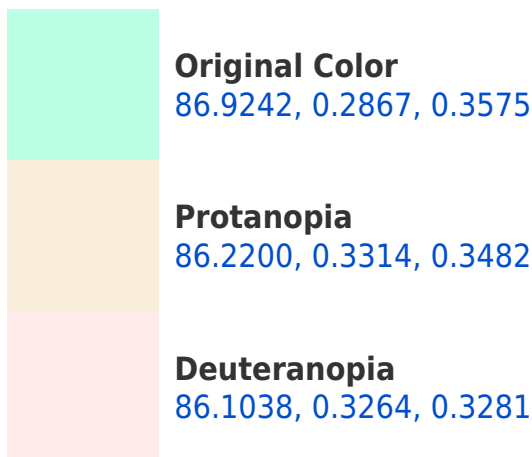


This preview shows how white text looks on a background with the Yxy color 86.9242, 0.2867, 0.3575.

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





Tritanopia

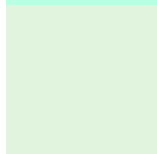
86.5203, 0.2890, 0.3176

Trichromacy



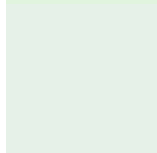
Original Color

86.9242, 0.2867, 0.3575



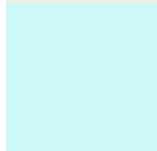
Protanomaly

85.9828, 0.3136, 0.3520



Deuteranomaly

85.5598, 0.3110, 0.3383



Tritanomaly

86.7065, 0.2881, 0.3321

Monochromacy



Original Color

86.9242, 0.2867, 0.3575



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.8932, 0.3025, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9242, 0.2867, 0.3575 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, 254, 228)` looks like.

```
.text, #text, p{  
    color:rgb(186, 254, 228)  
}
```

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, 254, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 254, 228) }
```

Border

The CSS property to change the border of an element to Yxy 86.9242, 0.2867, 0.3575 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, 254, 228) }
```

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

```
.border{ border-color:rgb(186, 254, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 254, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 254, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 254, 228);  
box-shadow:4px 4px 4px 4px rgb(186, 254,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9242, 0.2867, 0.3575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 254, 228) }
```

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

```
.background{ background-color: rgb(186,  
254, 228) }
```

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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