

Converting Colors

$Yxy(86.8968, 0.2935, 0.3469)$

Have a look what the booklet for
Yxy(86.8968, 0.2935, 0.3469)
contains.

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Color

Yxy(86.9509, 0.2935, 0.3471)

Conversions

Conversions Part 1

Format	Color
Hex	CBFAE9
RGB	203, 250, 233
RGB Percent	80%, 98%, 91%
CMY	0.2040, 0.0196, 0.0861
CMYK	0.19, 0.00, 0.07, 0.02
HSL	158°, 82%, 89%
HSV	158°, 19%, 98%
XYZ	73.5237, 86.9509, 90.0321
YIQ	234.0090, -22.5550, -15.2510

Conversions

Conversions Part 2

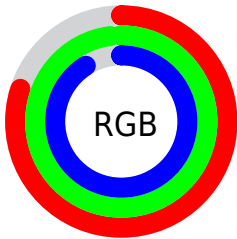
Format	Color
R _Y B	203, 232, 250
Decimal	13368041
CIE Lab	94.72, -18.24, 3.17
CIE LCh	95, 18.518, 170.135
Yxy	86.9509, 0.2935, 0.3471
Android (android.graphics.Color)	4291558121 (0xFFCBAE9)
YUV	234.0090, -0.4974, -27.1949
Hunter-Lab	93.2475, -22.4394, 8.0276

Details

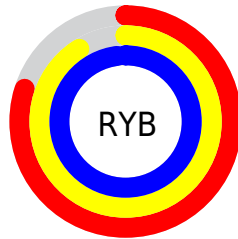
The Yxy color **86.9509, 0.2935, 0.3471** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.1939, 0.3367, 0.3116**, and the grayscale version is **82.3052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.6102, 0.2893, 0.3512** is the 20% darker color. If you saturate the color by 10%, you get **83.2208, 0.2841, 0.3582**, and if you desaturate by 10%, it is **91.2805, 0.3036, 0.3370**.

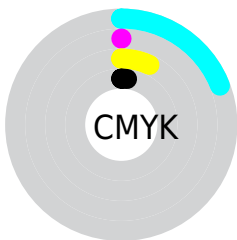
Distribution



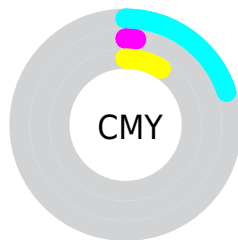
- Red (80%)
- Green (98%)
- Blue (91%)



- Red (80%)
- Yellow (91%)
- Blue (98%)



- Cyan (19%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)





- Cyan (20%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.9509, 0.2935, 0.3471 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 86.9509, 0.2935, 0.3471 by changing the saturation by 10% instead.


 86.9509, 0.2935,
0.3471

 86.9509, 0.2935,
0.3471


518.0615, 0.3022,
0.3389

 65.4546, 0.2916,
0.3489

143.0957, 0.2965,
0.3443

 47.8298, 0.2892,
0.3512


178.5130, 0.2976,
0.3432

 33.6921, 0.2863,
0.3540


219.3393, 0.2986,
0.3422

 22.6572, 0.2825,
0.3577

265.9592, 0.2995,
0.3414

 14.3406, 0.2775,
0.3626

318.7570, 0.3003,
0.3407

 8.3579, 0.2704,
0.3695

378.1170, 0.3010,

 4.3248, 0.2598,

0.3400

444.4237, 0.3016,
0.3394

0.3800

1.8569, 0.2423,
0.3978

0.5222, 0.0554,
0.5676

86.9509, 0.2935,
0.3471

86.9509, 0.2935,
0.3471

83.2208, 0.2841,
0.3582

91.2805, 0.3036,
0.3370

80.0520, 0.2756,
0.3702

96.2244, 0.3140,
0.3280

77.4182, 0.2683,
0.3830

96.8543, 0.3129,
0.3242

75.2871, 0.2626,
0.3965

■ 73.6225, 0.2587,
0.4105

■ 72.3831, 0.2569,
0.4247

■ 71.5205, 0.2571,
0.4387

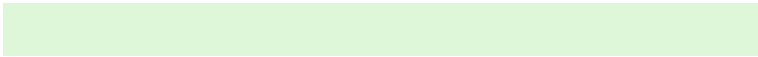
■ 70.9636, 0.2592,
0.4524

■ 70.9066, 0.2595,
0.4541

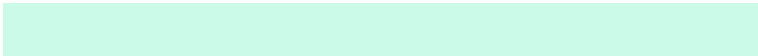
Harmonies

Analogous

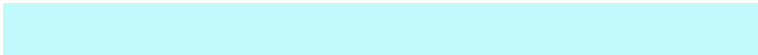
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9509, 0.3138, 0.3615



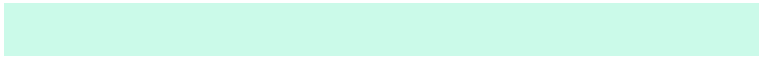
86.9509, 0.2935, 0.3471



86.9509, 0.2786, 0.3277

Triad

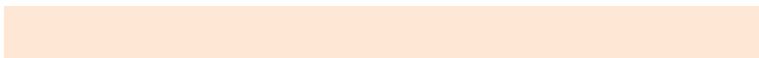
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.9509, 0.2935, 0.3471



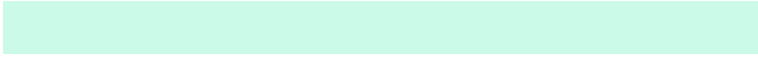
86.9509, 0.2906, 0.2938



86.9509, 0.3545, 0.3464

Complementary

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



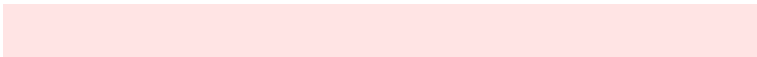
86.9509, 0.2935, 0.3471



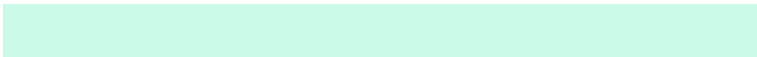
68.1939, 0.3367, 0.3116

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.



86.9509, 0.3479, 0.3288



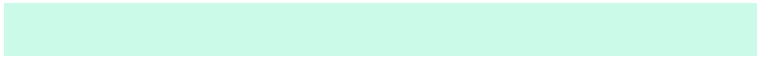
86.9509, 0.2935, 0.3471



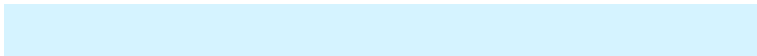
86.9509, 0.3105, 0.2992

Square

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



86.9509, 0.2935, 0.3471



86.9509, 0.2770, 0.2973



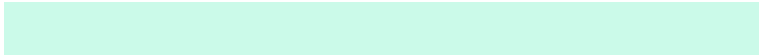
86.9509, 0.3316, 0.3117



86.9509, 0.3494, 0.3603

Rectangle

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



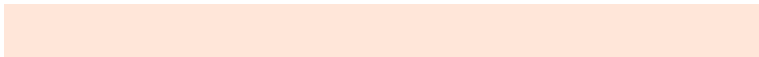
86.9509, 0.2935, 0.3471



86.9509, 0.2735, 0.3150



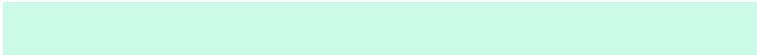
86.9509, 0.3316, 0.3117



86.9509, 0.3536, 0.3408

Sweetspot

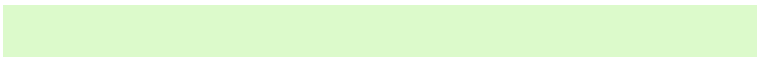
The Sweet Spot groups the original color and five complimentary colors.



86.9545, 0.2935, 0.3471



96.8625, 0.3064, 0.3344



87.9362, 0.3213, 0.3790



20.6625, 0.3058, 0.3350



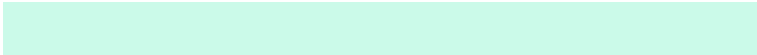
0.0000, 0.0000, 0.0000



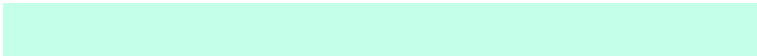
21.4041, 0.3127, 0.3290

Same Dimension

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



86.9545, 0.2935, 0.3471



89.2345, 0.2894, 0.3516



84.1392, 0.2840, 0.3223



19.4961, 0.3029, 0.3377



37.6380, 0.2588, 0.4518



3.5062, 0.2543, 0.4354

Inverse Universe

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



68.1939, 0.3367, 0.3116



65.9339, 0.3435, 0.3075



70.3617, 0.3485, 0.3356



17.3287, 0.3237, 0.3205



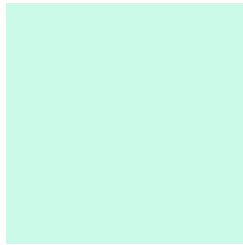
11.1986, 0.5539, 0.2825



1.0567, 0.5211, 0.2644

Previews

White Background



This preview shows how the Yxy color 86.9509, 0.2935, 0.3471 looks on a white background.

Color Contrast Check

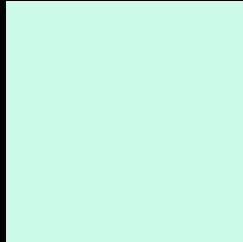
Large Text (above 18pt) WCAG AA × Fail

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 86.9509, 0.2935, 0.3471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

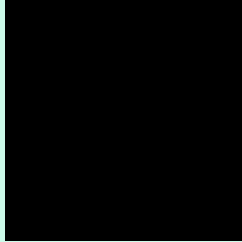
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

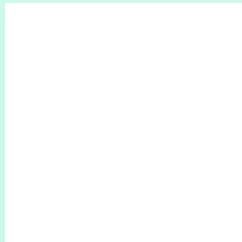
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.9509, 0.2935, 0.3471

Background



This preview shows how black text looks on a background with the Yxy color 86.9509, 0.2935, 0.3471.

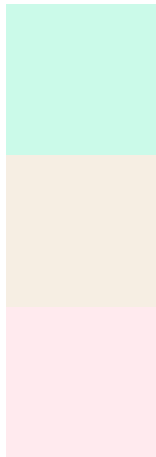


This preview shows how white text looks on a background with the Yxy color 86.9509, 0.2935, 0.3471.

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

86.9509, 0.2935, 0.3471

Protanopia

86.2880, 0.3250, 0.3401

Deuteranopia

86.2787, 0.3244, 0.3251



Tritanopia

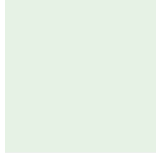
86.8508, 0.2926, 0.3167

Trichromacy



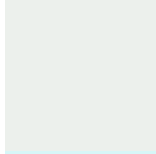
Original Color

86.9509, 0.2935, 0.3471



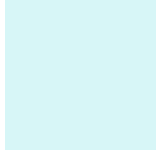
Protanomaly

85.9844, 0.3127, 0.3424



Deuteranomaly

86.2092, 0.3125, 0.3331



Tritanomaly

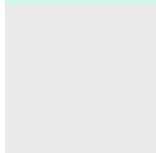
87.0740, 0.2929, 0.3279

Monochromacy



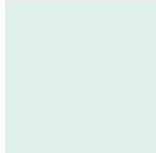
Original Color

86.9509, 0.2935, 0.3471



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

83.9487, 0.3053, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9509, 0.2935, 0.3471 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(203, 250, 233)` looks like.

```
.text, #text, p{  
    color:rgb(203, 250, 233)  
}
```

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(203, 250, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 250, 233) }
```

Border

The CSS property to change the border of an element to Yxy 86.9509, 0.2935, 0.3471 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(203, 250, 233) }
```

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

```
.border{ border-color:rgb(203, 250, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 250, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 250, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 250, 233);  
box-shadow:4px 4px 4px 4px rgb(203, 250,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9509, 0.2935, 0.3471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 250, 233) }
```

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

```
.background{ background-color: rgb(203,  
250, 233) }
```

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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