

Converting Colors

$Yxy(86.7539, 0.3007, 0.3778)$

Have a look what the booklet for
Yxy(86.7539, 0.3007, 0.3778)
contains.

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Color

Yxy(86.8742, 0.3002, 0.3776)

Conversions

Conversions Part 1

Format	Color
Hex	C1FED2
RGB	193, 254, 210
RGB Percent	76%, 100%, 82%
CMY	0.2432, 0.0039, 0.1763
CMYK	0.24, 0.00, 0.17, 0.00
HSL	137°, 97%, 88%
HSV	137°, 24%, 100%
XYZ	69.0668, 86.8742, 74.1284
YIQ	230.7450, -22.2320, -26.6160

Conversions

Conversions Part 2

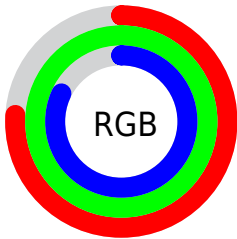
Format	Color
RYB	193, 241, 254
Decimal	12713682
CIELab	94.68, -27.57, 14.89
CIELCh	95, 31.337, 151.624
Yxy	86.8742, 0.3002, 0.3776
Android (android.graphics.Color)	4290903762 (0xFFC1FED2)
YUV	230.7450, -10.2273, -33.1024
Hunter-Lab	93.2063, -30.8408, 18.0902

Details

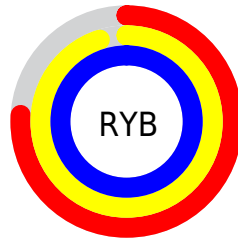
The Yxy color **86.8742, 0.3002, 0.3776** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.3137, 0.3281, 0.2849**, and the grayscale version is **79.8026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **47.7023, 0.2972, 0.3898** is the 20% darker color. If you saturate the color by 10%, you get **82.9610, 0.2954, 0.4018**, and if you desaturate by 10%, it is **91.4723, 0.3053, 0.3557**.

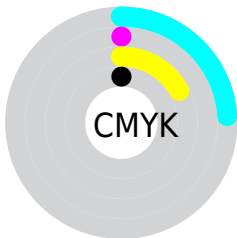
Distribution



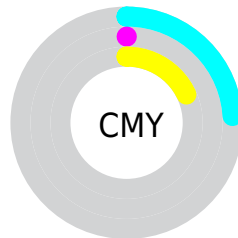
- Red (76%)
- Green (100%)
- Blue (82%)



- Red (76%)
- Yellow (95%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.8742, 0.3002, 0.3776 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 86.8742, 0.3002, 0.3776 by changing the saturation by 10% instead.

 86.8742, 0.3002,
0.3776

 86.8742, 0.3002,
0.3776


517.8094, 0.3062,
0.3550

 65.3911, 0.2988,
0.3828


 142.9888, 0.3023,
0.3698

 47.7783, 0.2970,
0.3892


178.3891, 0.3031,
0.3667

 33.6513, 0.2947,
0.3973


219.1972, 0.3038,
0.3641

 22.6259, 0.2917,
0.4079

265.7976, 0.3044,
0.3618

 14.3175, 0.2874,
0.4224

318.5746, 0.3050,
0.3598

 8.3418, 0.2811,
0.4433

377.9126, 0.3054,

 4.3144, 0.2708,

0.3580

0.4759

444.1961, 0.3058,
0.3564

■ 1.8510, 0.2527,
0.5362

■ 0.5186, 0.0000,
1.0000

■ 86.8742, 0.3002,
0.3776

■ 86.8742, 0.3002,
0.3776

■ 82.9610, 0.2954,
0.4018

■ 91.4723, 0.3053,
0.3557

■ 79.6888, 0.2912,
0.4280

■ 96.7748, 0.3106,
0.3362

■ 77.0259, 0.2879,
0.4555

■ 99.3678, 0.3128,
0.3281

■ 74.9331, 0.2859,
0.4835

■ 73.3665, 0.2853,
0.5107

■ 72.2756, 0.2864,
0.5355

■ 71.5994, 0.2890,
0.5568

■ 71.3431, 0.2909,
0.5674

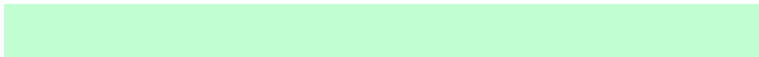
Harmonies

Analogous

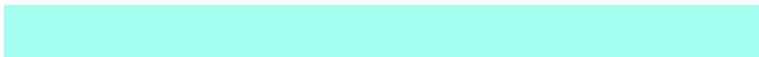
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8742, 0.3357, 0.3924



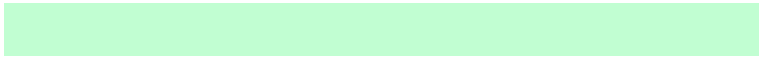
86.8742, 0.3002, 0.3776



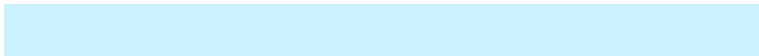
86.8742, 0.2693, 0.3473

Triad

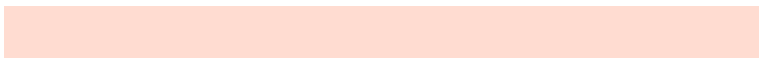
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8742, 0.3002, 0.3776



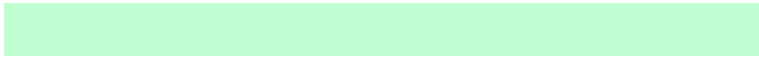
86.8742, 0.2602, 0.2722



86.8742, 0.3793, 0.3390

Complementary

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



86.8742, 0.3002, 0.3776



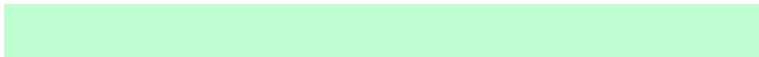
65.3137, 0.3281, 0.2849

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.



86.8742, 0.3568, 0.3102



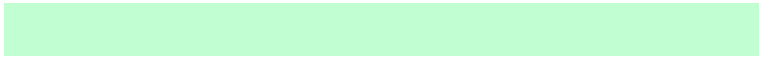
86.8742, 0.3002, 0.3776



86.8742, 0.2871, 0.2729

Square

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



86.8742, 0.3002, 0.3776



86.8742, 0.2472, 0.2860



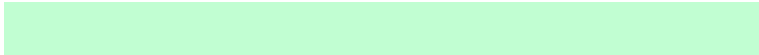
86.8742, 0.3224, 0.2866



86.8742, 0.3826, 0.3671

Rectangle

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



86.8742, 0.3002, 0.3776



86.8742, 0.2550, 0.3241



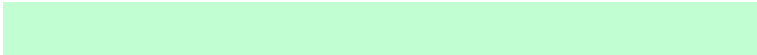
86.8742, 0.3224, 0.2866



86.8742, 0.3737, 0.3291

Sweetspot

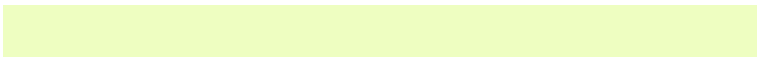
The Sweet Spot groups the original color and five complimentary colors.



86.8778, 0.3002, 0.3776



95.9697, 0.3090, 0.3417



92.8680, 0.3382, 0.3914



20.4707, 0.3087, 0.3429



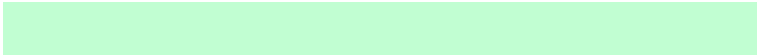
0.0000, 0.0000, 0.0000



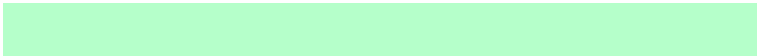
21.4041, 0.3127, 0.3290

Same Dimension

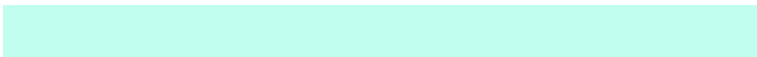
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8778, 0.3002, 0.3776



85.6012, 0.2977, 0.3894



88.4999, 0.2844, 0.3442



20.2516, 0.3077, 0.3466



37.6322, 0.2902, 0.5647



3.6818, 0.2841, 0.5428

Inverse Universe

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



65.3137, 0.3281, 0.2849



60.2871, 0.3321, 0.2755



63.7183, 0.3515, 0.3144



18.2086, 0.3181, 0.3120



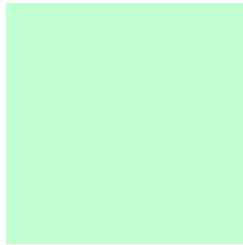
12.9372, 0.4073, 0.2017



1.2783, 0.3951, 0.1950

Previews

White Background



This preview shows how the Yxy color 86.8742, 0.3002, 0.3776 looks on a white background.

Color Contrast Check

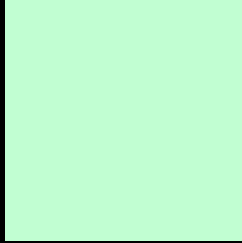
Large Text (above 18pt) WCAG AA × Fail

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 86.8742, 0.3002, 0.3776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

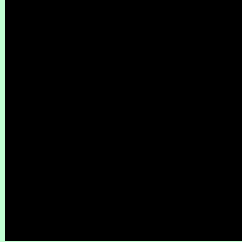
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.8742, 0.3002, 0.3776

Background



This preview shows how black text looks on a background with the Yxy color 86.8742, 0.3002, 0.3776.

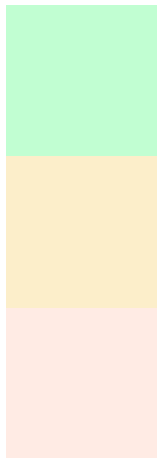


This preview shows how white text looks on a background with the Yxy color 86.8742, 0.3002, 0.3776.

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

86.8742, 0.3002, 0.3776

Protanopia

86.1088, 0.3453, 0.3653

Deuteranopia

86.2781, 0.3308, 0.3360



Tritanopia

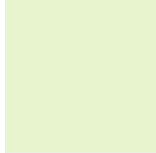
86.3813, 0.2907, 0.3167

Trichromacy



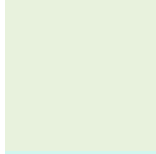
Original Color

86.8742, 0.3002, 0.3776



Protanomaly

86.0981, 0.3279, 0.3699



Deuteranomaly

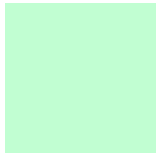
85.8805, 0.3189, 0.3508



Tritanomaly

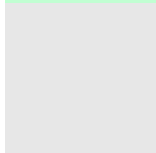
86.4552, 0.2943, 0.3374

Monochromacy



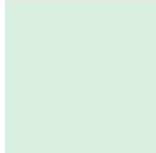
Original Color

86.8742, 0.3002, 0.3776



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.8124, 0.3080, 0.3461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8742, 0.3002, 0.3776 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(193, 254, 210)` looks like.

```
.text, #text, p{  
    color:rgb(193, 254, 210)  
}
```

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(193, 254, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 254, 210) }
```

Border

The CSS property to change the border of an element to Yxy 86.8742, 0.3002, 0.3776 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(193, 254, 210) }
```

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

```
.border{ border-color:rgb(193, 254, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 254, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 254, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 254, 210);  
box-shadow:4px 4px 4px 4px rgb(193, 254,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8742, 0.3002, 0.3776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 254, 210) }
```

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

```
.background{ background-color: rgb(193,  
254, 210) }
```

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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