

Converting Colors

$Y_{xy}(100.0000, 0.3013, 0.4002)$

Have a look what the booklet for
Yxy(100.0000, 0.3013, 0.4002)
contains.

| | |
|---|----|
| Yxy(87.3625, 0.3019, 0.3821) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(87.3625, 0.3019, 0.3821)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | C1FFCF |
| RGB | 193, 255, 207 |
| RGB Percent | 76%, 100%, 81% |
| CMY | 0.2429, 0.0000, 0.1883 |
| CMYK | 0.24, 0.00, 0.19, 0.00 |
| HSL | 133°, 100%, 88% |
| HSV | 133°, 24%, 100% |
| XYZ | 69.0257, 87.3625, 72.2495 |
| YIQ | 230.9900, -21.5440, -28.0720 |

Conversions

Conversions Part 2

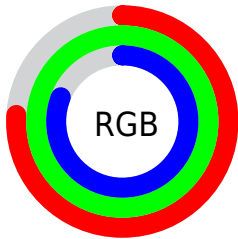
| Format | Color |
|-------------------------------------|--|
| RYB | 193, 244, 255 |
| Decimal | 12713935 |
| CIELab | 94.89, -28.55, 16.75 |
| CIElCh | 95, 33.103, 149.604 |
| Yxy | 87.3625, 0.3019, 0.3821 |
| Android (android.graphics.Color) | 4290904015 (0xFFC1FFCF) |
| YUV | 230.9900, -11.8271, -33.3172 |
| Hunter-Lab | 93.4679, -31.7472, 19.5971 |

Details

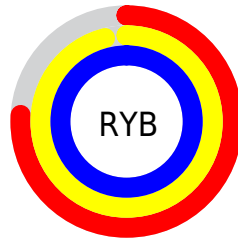
The Yxy color **87.3625, 0.3019, 0.3821** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.7820, 0.3258, 0.2812**, and the grayscale version is **80.0155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **48.0913, 0.2985, 0.3941** is the 20% darker color. If you saturate the color by 10%, you get **83.3904, 0.2977, 0.4083**, and if you desaturate by 10%, it is **92.0408, 0.3063, 0.3584**.

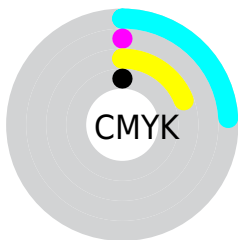
Distribution



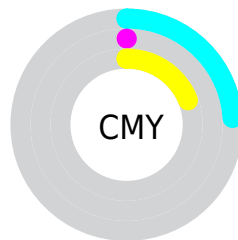
- Red (76%)
- Green (100%)
- Blue (81%)



- Red (76%)
- Yellow (96%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.3625, 0.3019, 0.3821 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 87.3625, 0.3019, 0.3821 by changing the saturation by 10% instead.


 87.3625, 0.3019,
0.3821

 87.3625, 0.3019,
0.3821


519.4133, 0.3072,
0.3574

 65.7952, 0.3006,
0.3878


 143.6693, 0.3038,
0.3735

 48.1062, 0.2990,
0.3948


179.1776, 0.3045,
0.3702

 33.9110, 0.2969,
0.4037

220.1017, 0.3051,
0.3673

 22.8252, 0.2941,
0.4153


266.8261, 0.3057,
0.3648

 14.4645, 0.2901,
0.4312

319.7350, 0.3061,
0.3626

 8.4444, 0.2840,
0.4541

379.2129, 0.3065,

 4.3806, 0.2739,

0.3607

0.4897

445.6442, 0.3069,
0.3590

■ 1.8887, 0.2572,
0.5583

■ 0.5416, 0.0000,
1.0000

■ 87.3625, 0.3019,
0.3821

■ 87.3625, 0.3019,
0.3821

■ 83.3904, 0.2977,
0.4083

■ 92.0408, 0.3063,
0.3584

■ 80.0794, 0.2941,
0.4366

■ 97.4459, 0.3108,
0.3373

■ 77.3961, 0.2912,
0.4661

■ 99.9956, 0.3127,
0.3290

■ 75.2999, 0.2895,
0.4958

■ 73.7452, 0.2891,
0.5239

■ 72.6794, 0.2901,
0.5489

■ 72.0388, 0.2924,
0.5691

■ 71.8145, 0.2940,
0.5783

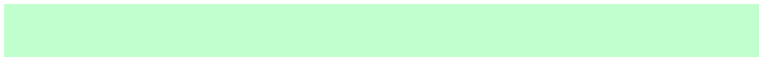
Harmonies

Analogous

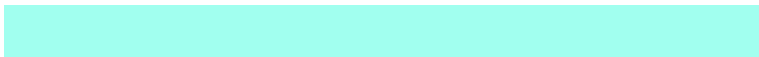
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3625, 0.3393, 0.3963



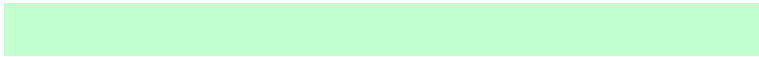
87.3625, 0.3019, 0.3821



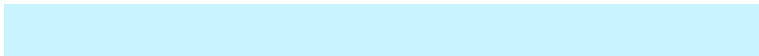
87.3625, 0.2688, 0.3507

Triad

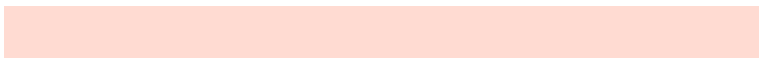
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.3625, 0.3019, 0.3821



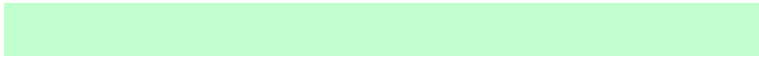
87.3625, 0.2560, 0.2698



87.3625, 0.3820, 0.3372

Complementary

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



87.3625, 0.3019, 0.3821



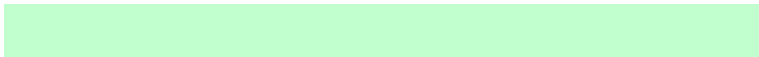
65.7820, 0.3258, 0.2812

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.



87.3625, 0.3570, 0.3073



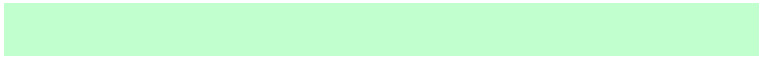
87.3625, 0.3019, 0.3821



87.3625, 0.2834, 0.2696

Square

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



87.3625, 0.3019, 0.3821



87.3625, 0.2435, 0.2851



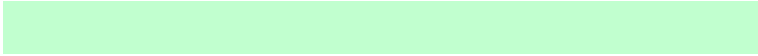
87.3625, 0.3203, 0.2831



87.3625, 0.3869, 0.3671

Rectangle

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



87.3625, 0.3019, 0.3821



87.3625, 0.2532, 0.3261



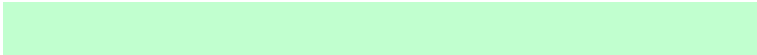
87.3625, 0.3203, 0.2831



87.3625, 0.3756, 0.3269

Sweetspot

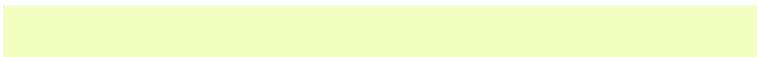
The Sweet Spot groups the original color and five complimentary colors.



87.3662, 0.3019, 0.3821



95.9111, 0.3096, 0.3427



94.1709, 0.3405, 0.3917



20.4572, 0.3093, 0.3440



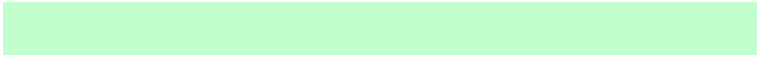
0.0000, 0.0000, 0.0000



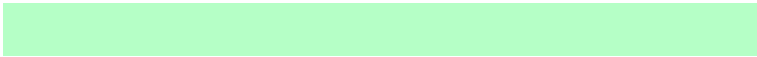
21.4041, 0.3127, 0.3290

Same Dimension

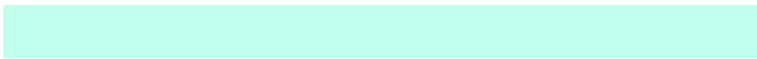
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.3662, 0.3019, 0.3821



85.4123, 0.2999, 0.3942



89.0021, 0.2857, 0.3478



20.2351, 0.3085, 0.3480



37.5452, 0.2933, 0.5759



3.6713, 0.2877, 0.5556

Inverse Universe

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



65.7820, 0.3258, 0.2812



60.5229, 0.3289, 0.2717



64.1109, 0.3495, 0.3111



18.2263, 0.3173, 0.3108



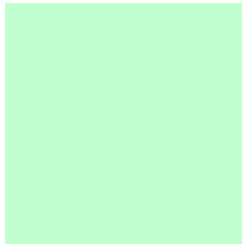
13.2545, 0.3877, 0.1909



1.3069, 0.3785, 0.1859

Previews

White Background



This preview shows how the Yxy color 87.3625, 0.3019, 0.3821 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 87.3625, 0.3019, 0.3821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

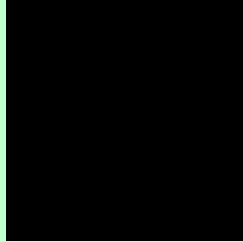
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.3625, 0.3019, 0.3821

Background



This preview shows how black text looks on a background with the Yxy color 87.3625, 0.3019, 0.3821.

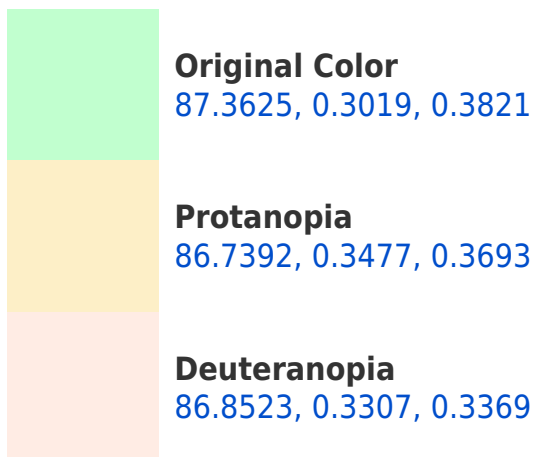


This preview shows how white text looks on a background with the Yxy color 87.3625, 0.3019, 0.3821.

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

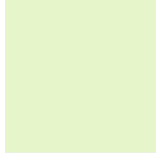
87.2935, 0.2920, 0.3177

Trichromacy



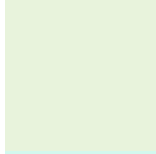
Original Color

87.3625, 0.3019, 0.3821



Protanomaly

86.5580, 0.3296, 0.3741



Deuteranomaly

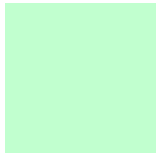
86.4243, 0.3195, 0.3528



Tritanomaly

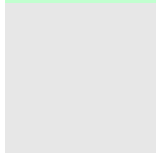
87.1567, 0.2955, 0.3395

Monochromacy



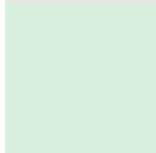
Original Color

87.3625, 0.3019, 0.3821



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.3458, 0.3085, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3625, 0.3019, 0.3821 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, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 207)  
}
```

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, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 207) }
```

Border

The CSS property to change the border of an element to Yxy 87.3625, 0.3019, 0.3821 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, 255, 207) }
```

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

```
.border{ border-color:rgb(193, 255, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 255, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3625, 0.3019, 0.3821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 207) }
```

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

```
.background{ background-color: rgb(193,  
255, 207) }
```

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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