

Converting Colors

$Yxy(87.5713, 0.3012, 0.3796)$

Have a look what the booklet for
Yxy(87.5713, 0.3012, 0.3796)
contains.

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Color

Yxy(87.5928, 0.3014, 0.3797)

Conversions

Conversions Part 1

Format	Color
Hex	C2FFD1
RGB	194, 255, 209
RGB Percent	76%, 100%, 82%
CMY	0.2389, 0.0000, 0.1804
CMYK	0.24, 0.00, 0.18, 0.00
HSL	135°, 100%, 88%
HSV	135°, 24%, 100%
XYZ	69.5298, 87.5928, 73.5669
YIQ	231.5170, -21.5900, -27.2380

Conversions

Conversions Part 2

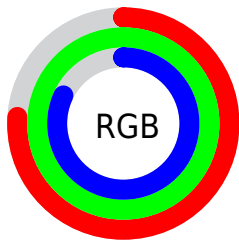
Format	Color
RYB	194, 243, 255
Decimal	12779473
CIELab	94.99, -27.88, 15.86
CIELCh	95, 32.079, 150.362
Yxy	87.5928, 0.3014, 0.3797
Android (android.graphics.Color)	4290969553 (0xFFC2FFD1)
YUV	231.5170, -11.1009, -32.9024
Hunter-Lab	93.5910, -31.1747, 18.9090

Details

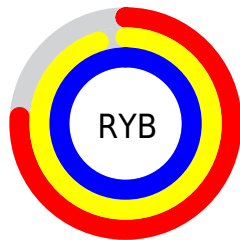
The Yxy color **87.5928, 0.3014, 0.3797** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.1665, 0.3264, 0.2832**, and the grayscale version is **80.4246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **48.2102, 0.2986, 0.3925** is the 20% darker color. If you saturate the color by 10%, you get **83.6090, 0.2970, 0.4051**, and if you desaturate by 10%, it is **92.2781, 0.3061, 0.3567**.

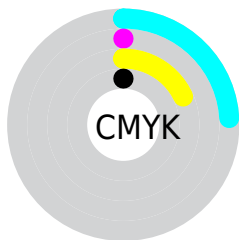
Distribution



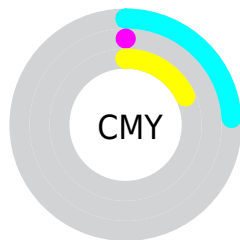
- Red (76%)
- Green (100%)
- Blue (82%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5928, 0.3014, 0.3797 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 87.5928, 0.3014, 0.3797 by changing the saturation by 10% instead.


 87.5928, 0.3014,
0.3797

 87.5928, 0.3014,
0.3797


520.1688, 0.3069,
0.3562

 65.9859, 0.3001,
0.3851


 143.9901, 0.3033,
0.3715

 48.2609, 0.2984,
0.3918

179.5493, 0.3041,
0.3683

 34.0336, 0.2963,
0.4002


220.5281, 0.3047,
0.3656

 22.9194, 0.2935,
0.4113

267.3107, 0.3053,
0.3632

 14.5340, 0.2895,
0.4263

320.2818, 0.3058,
0.3611

 8.4930, 0.2835,
0.4480

379.8255, 0.3062,

 4.4120, 0.2735,

0.3593

0.4818

446.3264, 0.3065,
0.3576

■ 1.9066, 0.2563,
0.5444

■ 0.5523, 0.0000,
1.0000

■ 87.5928, 0.3014,
0.3797

■ 87.5928, 0.3014,
0.3797

■ 83.6090, 0.2970,
0.4051

■ 92.2781, 0.3061,
0.3567

■ 80.2820, 0.2931,
0.4326

■ 97.6851, 0.3109,
0.3363

■ 77.5790, 0.2901,
0.4614

■ 99.9944, 0.3127,
0.3290

■ 75.4599, 0.2882,
0.4904

■ 73.8798, 0.2877,
0.5183

■ 72.7870, 0.2887,
0.5434

■ 72.1190, 0.2911,
0.5642

■ 71.8680, 0.2929,
0.5746

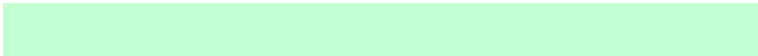
Harmonies

Analogous

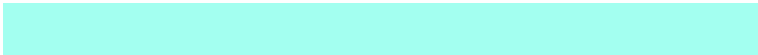
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5928, 0.3376, 0.3939



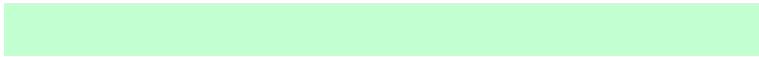
87.5928, 0.3014, 0.3797



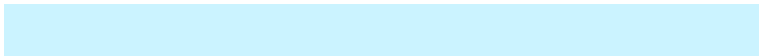
87.5928, 0.2695, 0.3491

Triad

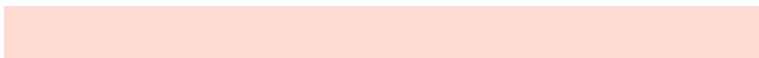
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5928, 0.3014, 0.3797



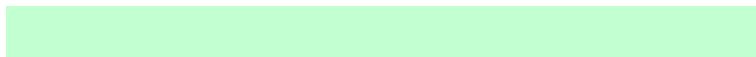
87.5928, 0.2583, 0.2714



87.5928, 0.3801, 0.3378

Complementary

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



87.5928, 0.3014, 0.3797



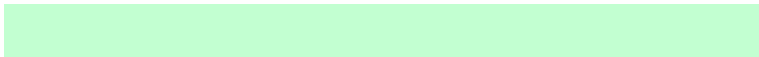
66.1665, 0.3264, 0.2832

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.



87.5928, 0.3564, 0.3086



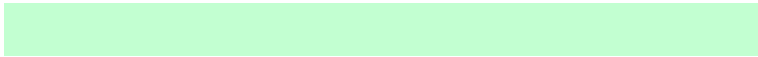
87.5928, 0.3014, 0.3797



87.5928, 0.2852, 0.2715

Square

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



87.5928, 0.3014, 0.3797



87.5928, 0.2457, 0.2860



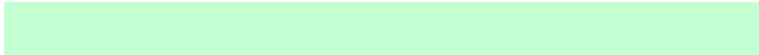
87.5928, 0.3210, 0.2850



87.5928, 0.3844, 0.3667

Rectangle

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



87.5928, 0.3014, 0.3797



87.5928, 0.2546, 0.3254



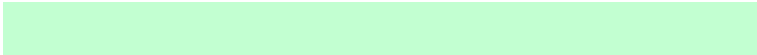
87.5928, 0.3210, 0.2850



87.5928, 0.3741, 0.3278

Sweetspot

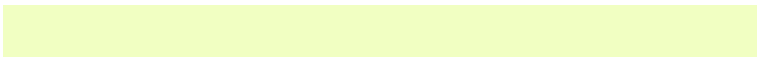
The Sweet Spot groups the original color and five complimentary colors.



87.5965, 0.3014, 0.3797



95.9328, 0.3094, 0.3424



94.0738, 0.3394, 0.3908



20.4622, 0.3091, 0.3436



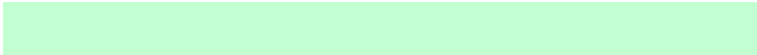
0.0000, 0.0000, 0.0000



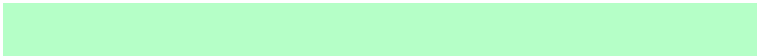
21.4041, 0.3127, 0.3290

Same Dimension

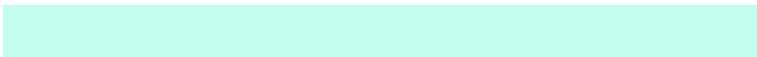
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5965, 0.3014, 0.3797



85.4818, 0.2991, 0.3924



89.2096, 0.2856, 0.3463



20.2412, 0.3082, 0.3474



37.5751, 0.2922, 0.5720



3.6750, 0.2864, 0.5510

Inverse Universe

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



66.1665, 0.3264, 0.2832



60.4348, 0.3300, 0.2731



64.5410, 0.3496, 0.3124



18.2198, 0.3176, 0.3112



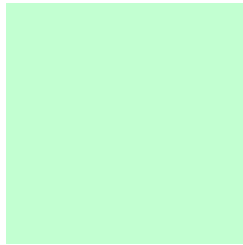
13.1333, 0.3948, 0.1948



1.2960, 0.3845, 0.1892

Previews

White Background



This preview shows how the Yxy color 87.5928, 0.3014, 0.3797 looks on a white background.

Color Contrast Check

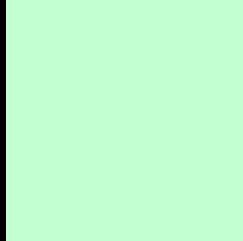
Large Text (above 18pt) WCAG AA × Fail

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 87.5928, 0.3014, 0.3797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

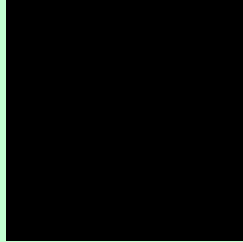
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.5928, 0.3014, 0.3797

Background



This preview shows how black text looks on a background with the Yxy color 87.5928, 0.3014, 0.3797.

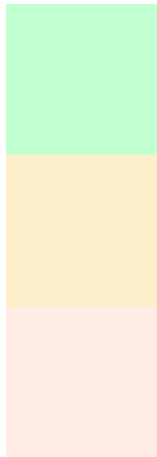


This preview shows how white text looks on a background with the Yxy color 87.5928, 0.3014, 0.3797.

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

87.5928, 0.3014, 0.3797

Protanopia

86.8327, 0.3464, 0.3672

Deuteranopia

86.9080, 0.3300, 0.3360



Tritanopia

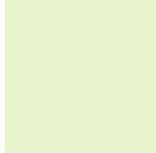
87.2935, 0.2920, 0.3177

Trichromacy



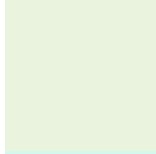
Original Color

87.5928, 0.3014, 0.3797



Protanomaly

86.8203, 0.3291, 0.3718



Deuteranomaly

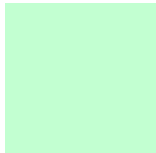
86.6987, 0.3189, 0.3507



Tritanomaly

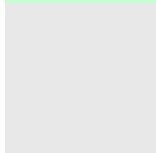
87.1567, 0.2955, 0.3395

Monochromacy



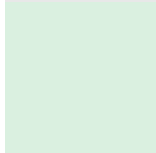
Original Color

87.5928, 0.3014, 0.3797



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.6074, 0.3080, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5928, 0.3014, 0.3797 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(194, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(194, 255, 209)  
}
```

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(194, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 209) }
```

Border

The CSS property to change the border of an element to Yxy 87.5928, 0.3014, 0.3797 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(194, 255, 209) }
```

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

```
.border{ border-color:rgb(194, 255, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(194, 255,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5928, 0.3014, 0.3797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 255, 209) }
```

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

```
.background{ background-color: rgb(194,  
255, 209) }
```

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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