

Converting Colors

$Yxy(88.6910, 0.3039, 0.3757)$

Have a look what the booklet for
Yxy(88.6910, 0.3039, 0.3757)
contains.

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Color

Yxy(88.6910, 0.3039, 0.3757)

Conversions

Conversions Part 1

Format	Color
Hex	C9FFD4
RGB	201, 255, 212
RGB Percent	79%, 100%, 83%
CMY	0.2116, 0.0000, 0.1686
CMYK	0.21, 0.00, 0.17, 0.00
HSL	132°, 100%, 89%
HSV	132°, 21%, 100%
XYZ	71.7413, 88.6910, 75.6364
YIQ	233.9520, -18.3810, -24.8210

Conversions

Conversions Part 2

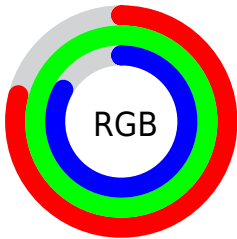
Format	Color
RYB	201, 246, 255
Decimal	13238228
CIELab	95.45, -25.15, 15.03
CIELCh	95, 29.295, 149.134
Yxy	88.6910, 0.3039, 0.3757
Android (android.graphics.Color)	4291428308 (0xFFC9FFD4)
YUV	233.9520, -10.8223, -28.8989
Hunter-Lab	94.1759, -28.8302, 18.3050

Details

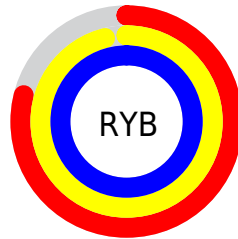
The Yxy color **88.6910, 0.3039, 0.3757** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.5858, 0.3230, 0.2864**, and the grayscale version is **82.3441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.9335, 0.3017, 0.3871** is the 20% darker color. If you saturate the color by 10%, you get **84.4866, 0.2999, 0.4019**, and if you desaturate by 10%, it is **93.6185, 0.3081, 0.3521**.

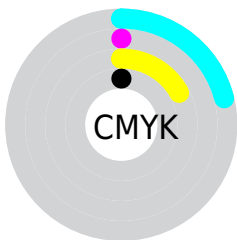
Distribution



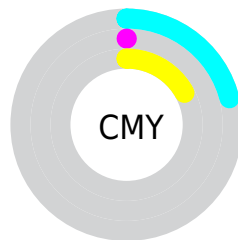
- Red (79%)
- Green (100%)
- Blue (83%)



- Red (79%)
- Yellow (96%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.6910, 0.3039, 0.3757 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 88.6910, 0.3039, 0.3757 by changing the saturation by 10% instead.

 88.6910, 0.3039,
0.3757

 88.6910, 0.3039,
0.3757


523.7635, 0.3082,
0.3541

 66.8955, 0.3029,
0.3806

145.5188, 0.3054,
0.3682

 48.9997, 0.3016,
0.3867

181.3199, 0.3060,
0.3653

 34.6192, 0.2999,
0.3943


222.5582, 0.3065,
0.3628

 23.3697, 0.2977,
0.4043

269.6183, 0.3069,
0.3606

 14.8667, 0.2945,
0.4179

322.8845, 0.3073,
0.3587

 8.7259, 0.2897,
0.4374

382.7411, 0.3076,

 4.5628, 0.2819,

0.3570

0.4675

449.5727, 0.3079,
0.3555

1.9931, 0.2674,
0.5206

0.6035, 0.0000,
1.0000

88.6910, 0.3039,
0.3757

88.6910, 0.3039,
0.3757

84.4866, 0.2999,
0.4019

93.6185, 0.3081,
0.3521

80.9603, 0.2963,
0.4304

99.2893, 0.3122,
0.3312

78.0796, 0.2933,
0.4604

99.9967, 0.3127,
0.3290

75.8044, 0.2913,
0.4908

■ 74.0904, 0.2905,
0.5200

■ 72.8869, 0.2910,
0.5462

■ 72.1336, 0.2928,
0.5677

■ 71.7635, 0.2950,
0.5820

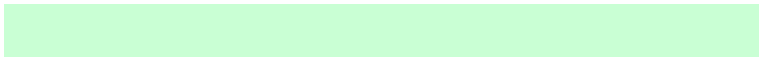
Harmonies

Analogous

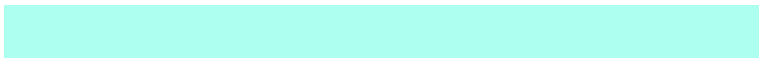
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6910, 0.3369, 0.3880



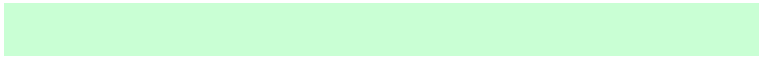
88.6910, 0.3039, 0.3757



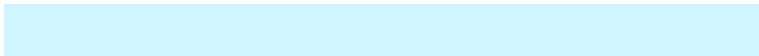
88.6910, 0.2744, 0.3486

Triad

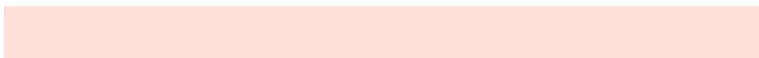
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.6910, 0.3039, 0.3757



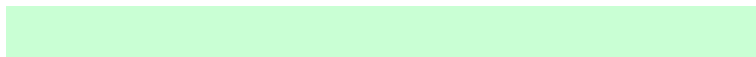
88.6910, 0.2622, 0.2767



88.6910, 0.3734, 0.3362

Complementary

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



88.6910, 0.3039, 0.3757



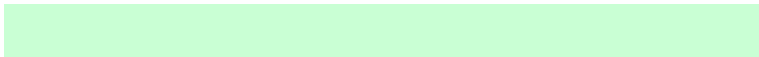
69.5858, 0.3230, 0.2864

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.



88.6910, 0.3513, 0.3095



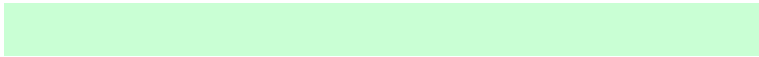
88.6910, 0.3039, 0.3757



88.6910, 0.2865, 0.2761

Square

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



88.6910, 0.3039, 0.3757



88.6910, 0.2513, 0.2908



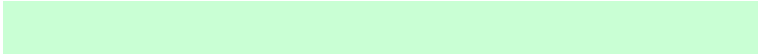
88.6910, 0.3190, 0.2880



88.6910, 0.3781, 0.3627

Rectangle

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



88.6910, 0.3039, 0.3757



88.6910, 0.2603, 0.3272



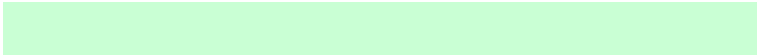
88.6910, 0.3190, 0.2880



88.6910, 0.3677, 0.3270

Sweetspot

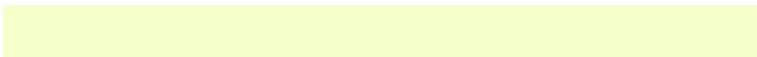
The Sweet Spot groups the original color and five complimentary colors.



88.6947, 0.3039, 0.3757



96.4525, 0.3102, 0.3410



95.0056, 0.3376, 0.3832



20.5657, 0.3100, 0.3424



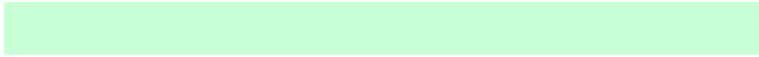
0.0000, 0.0000, 0.0000



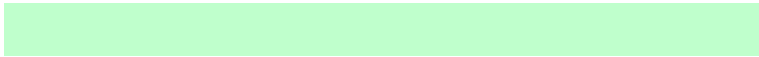
21.4041, 0.3127, 0.3290

Same Dimension

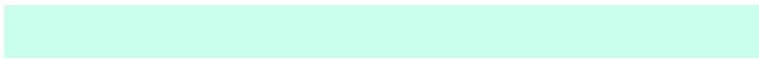
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.6947, 0.3039, 0.3757



86.9989, 0.3023, 0.3855



90.1611, 0.2895, 0.3461



20.2286, 0.3088, 0.3485



37.5166, 0.2944, 0.5797



3.6676, 0.2889, 0.5602

Inverse Universe

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



69.5858, 0.3230, 0.2864



65.0435, 0.3252, 0.2785



68.0746, 0.3430, 0.3126



18.2333, 0.3169, 0.3103



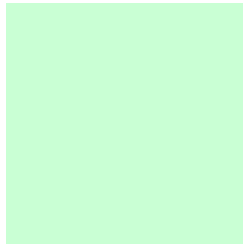
13.3871, 0.3803, 0.1869



1.3187, 0.3722, 0.1824

Previews

White Background



This preview shows how the Yxy color 88.6910, 0.3039, 0.3757 looks on a white background.

Color Contrast Check

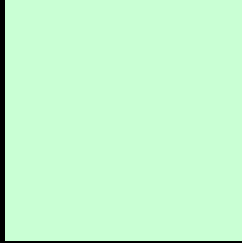
Large Text (above 18pt) WCAG AA × Fail

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 88.6910, 0.3039, 0.3757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

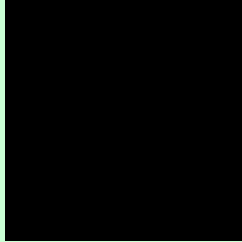
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

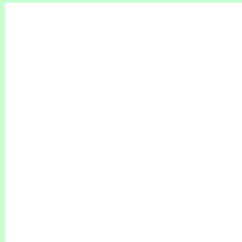
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.6910, 0.3039, 0.3757

Background



This preview shows how black text looks on a background with the Yxy color 88.6910, 0.3039, 0.3757.

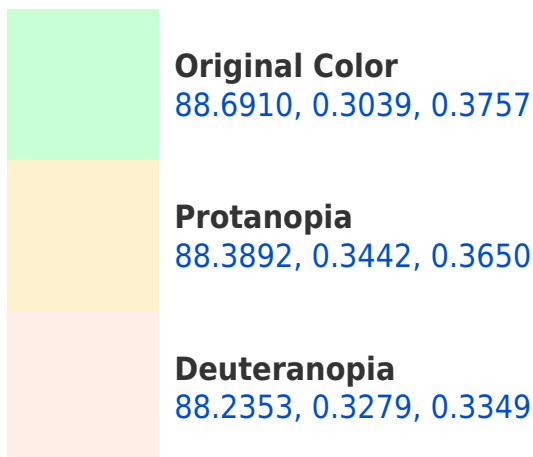


This preview shows how white text looks on a background with the Yxy color 88.6910, 0.3039, 0.3757.

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

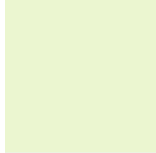
88.0901, 0.2950, 0.3178

Trichromacy



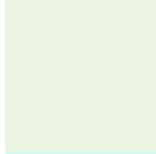
Original Color

88.6910, 0.3039, 0.3757



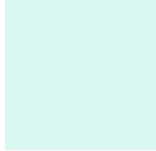
Protanomaly

88.1278, 0.3285, 0.3683



Deuteranomaly

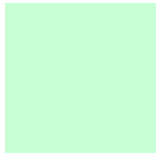
87.7998, 0.3183, 0.3485



Tritanomaly

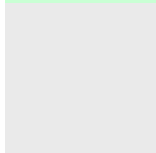
88.1185, 0.2986, 0.3383

Monochromacy



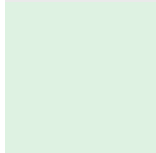
Original Color

88.6910, 0.3039, 0.3757



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.5248, 0.3093, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.6910, 0.3039, 0.3757 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(201, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 212)  
}
```

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(201, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 212) }
```

Border

The CSS property to change the border of an element to Yxy 88.6910, 0.3039, 0.3757 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(201, 255, 212) }
```

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

```
.border{ border-color:rgb(201, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 88.6910, 0.3039, 0.3757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 212) }
```

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

```
.background{ background-color: rgb(201,  
255, 212) }
```

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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