

Converting Colors

$Y_{xy}(100.0000, 0.2925, 0.3740)$

Have a look what the booklet for
Yxy(100.0000, 0.2925, 0.3740)
contains.

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Color

Yxy(88.9129, 0.2918, 0.3570)

Conversions

Conversions Part 1

Format	Color
Hex	C4FFE5
RGB	196, 255, 229
RGB Percent	77%, 100%, 90%
CMY	0.2313, 0.0000, 0.1019
CMYK	0.23, 0.00, 0.10, 0.00
HSL	154°, 100%, 88%
HSV	154°, 23%, 100%
XYZ	72.6745, 88.9129, 87.4684
YIQ	234.3950, -26.8180, -20.5940

Conversions

Conversions Part 2

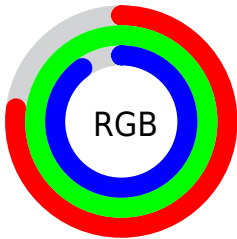
Format	Color
RYB	196, 234, 255
Decimal	12910565
CIELab	95.54, -23.58, 6.40
CIElCh	96, 24.433, 164.822
Yxy	88.9129, 0.2918, 0.3570
Android (android.graphics.Color)	4291100645 (0xFFC4FFE5)
YUV	234.3950, -2.6597, -33.6724
Hunter-Lab	94.2936, -27.4394, 11.0071

Details

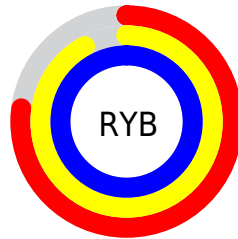
The Yxy color **88.9129, 0.2918, 0.3570** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.0279, 0.3400, 0.3027**, and the grayscale version is **82.6369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **49.1069, 0.2867, 0.3627** is the 20% darker color. If you saturate the color by 10%, you get **85.1744, 0.2836, 0.3712**, and if you desaturate by 10%, it is **93.2805, 0.3006, 0.3440**.

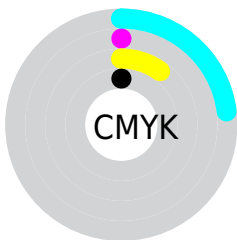
Distribution



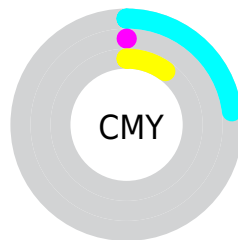
- Red (77%)
- Green (100%)
- Blue (90%)



- Red (77%)
- Yellow (92%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.9129, 0.2918, 0.3570 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 88.9129, 0.2918, 0.3570 by changing the saturation by 10% instead.


 88.9129, 0.2918,
0.3570

 88.9129, 0.2918,
0.3570

524.4882, 0.3013,
0.3442

 67.0794, 0.2897,
0.3599


145.8274, 0.2950,
0.3526

 49.1491, 0.2871,
0.3634


181.6772, 0.2963,
0.3509

 34.7378, 0.2839,
0.3678


222.9679, 0.2974,
0.3494

 23.4610, 0.2797,
0.3736

270.0838, 0.2984,
0.3481

 14.9342, 0.2741,
0.3813

323.4094, 0.2992,
0.3470

 8.7733, 0.2663,
0.3923

383.3291, 0.3000,

 4.5936, 0.2545,

0.3460

0.4091

450.2272, 0.3007,
0.3451

■ 2.0108, 0.2349,
0.4377

■ 0.6138, 0.0091,
0.7285

■ 88.9129, 0.2918,
0.3570

■ 88.9129, 0.2918,
0.3570

■ 85.1744, 0.2836,
0.3712

■ 93.2805, 0.3006,
0.3440

■ 82.0239, 0.2764,
0.3866

■ 98.2943, 0.3098,
0.3324

■ 79.4323, 0.2706,
0.4030

■ 99.9989, 0.3127,
0.3290

■ 77.3636, 0.2663,
0.4202

■ 75.7775, 0.2640,
0.4376

■ 74.6273, 0.2637,
0.4551

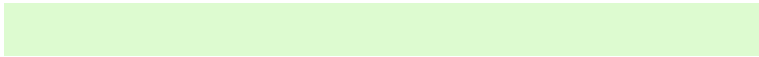
■ 73.8565, 0.2655,
0.4720

■ 73.4908, 0.2676,
0.4833

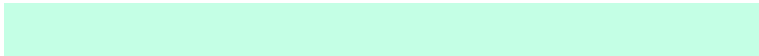
Harmonies

Analogous

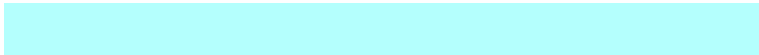
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9129, 0.3188, 0.3742



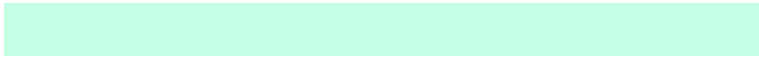
88.9129, 0.2918, 0.3570



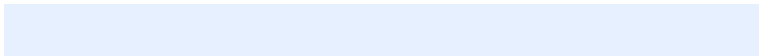
88.9129, 0.2710, 0.3316

Triad

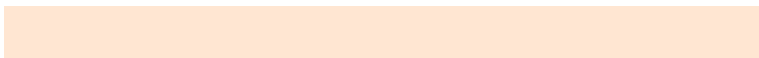
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.9129, 0.2918, 0.3570



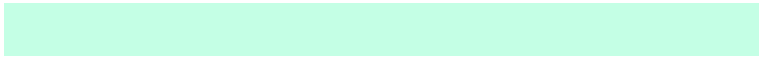
88.9129, 0.2799, 0.2833



88.9129, 0.3672, 0.3474

Complementary

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



88.9129, 0.2918, 0.3570



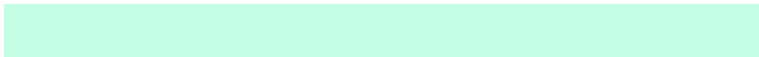
66.0279, 0.3400, 0.3027

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.



88.9129, 0.3559, 0.3243



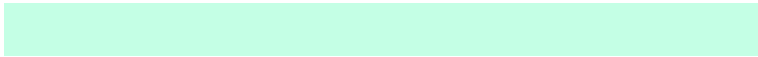
88.9129, 0.2918, 0.3570



88.9129, 0.3047, 0.2884

Square

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



88.9129, 0.2918, 0.3570



88.9129, 0.2644, 0.2896



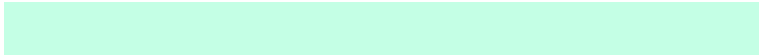
88.9129, 0.3327, 0.3032



88.9129, 0.3630, 0.3671

Rectangle

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



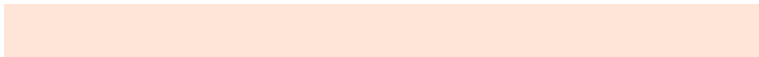
88.9129, 0.2918, 0.3570



88.9129, 0.2630, 0.3145



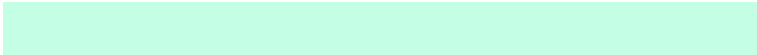
88.9129, 0.3327, 0.3032



88.9129, 0.3651, 0.3398

Sweetspot

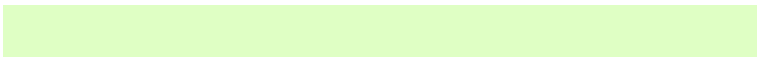
The Sweet Spot groups the original color and five complimentary colors.



88.9166, 0.2918, 0.3570



96.2740, 0.3062, 0.3368



91.1249, 0.3263, 0.3911



20.5411, 0.3057, 0.3374



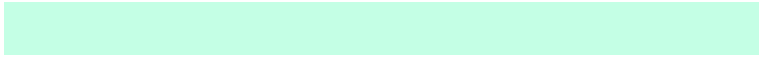
0.0000, 0.0000, 0.0000



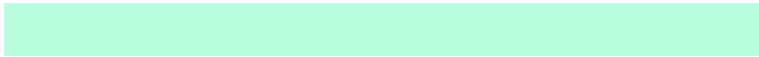
21.4041, 0.3127, 0.3290

Same Dimension

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



88.9166, 0.2918, 0.3570



87.0177, 0.2877, 0.3638



88.6119, 0.2781, 0.3258



20.3383, 0.3039, 0.3397



38.4317, 0.2668, 0.4806



3.7639, 0.2616, 0.4617

Inverse Universe

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



66.0279, 0.3400, 0.3027



60.2846, 0.3475, 0.2968



66.0836, 0.3600, 0.3322



18.1201, 0.3225, 0.3186



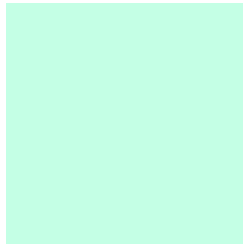
11.7533, 0.5216, 0.2647



1.1659, 0.4931, 0.2490

Previews

White Background



This preview shows how the Yxy color 88.9129, 0.2918, 0.3570 looks on a white background.

Color Contrast Check

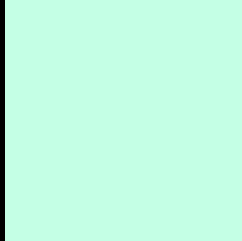
Large Text (above 18pt) WCAG AA × Fail

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 88.9129, 0.2918, 0.3570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

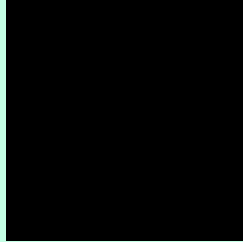
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.9129, 0.2918, 0.3570

Background



This preview shows how black text looks on a background with the Yxy color 88.9129, 0.2918, 0.3570.

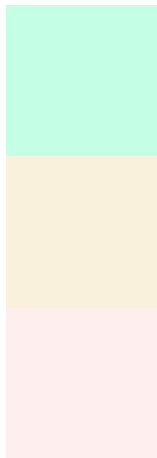


This preview shows how white text looks on a background with the Yxy color 88.9129, 0.2918, 0.3570.

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

88.9129, 0.2918, 0.3570

Protanopia

88.4550, 0.3312, 0.3490

Deuteranopia

88.5821, 0.3241, 0.3290



Tritanopia

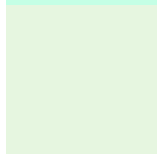
88.5324, 0.2944, 0.3188

Trichromacy



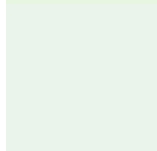
Original Color

88.9129, 0.2918, 0.3570



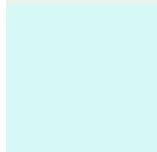
Protanomaly

88.1163, 0.3155, 0.3517



Deuteranomaly

88.1920, 0.3116, 0.3382



Tritanomaly

88.7013, 0.2929, 0.3321

Monochromacy



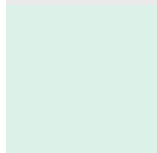
Original Color

88.9129, 0.2918, 0.3570



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.5461, 0.3045, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.9129, 0.2918, 0.3570 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(196, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 229)  
}
```

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(196, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 229) }
```

Border

The CSS property to change the border of an element to Yxy 88.9129, 0.2918, 0.3570 is called "border". The border property can be set on classes, ids or directly on the HTML element.

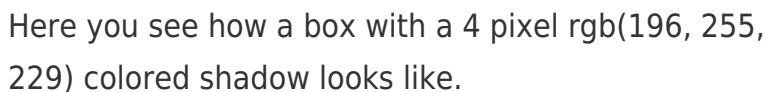
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 255, 229) }
```

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

```
.border{ border-color:rgb(196, 255, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 255, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 255, 229); box-shadow:4px 4px 4px 4px rgb(196, 255, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 88.9129, 0.2918, 0.3570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 229) }
```

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

```
.background{ background-color: rgb(196,  
255, 229) }
```

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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