

Converting Colors

$Y_{xy}(100.0000, 0.2973, 0.3852)$

Have a look what the booklet for
Yxy(100.0000, 0.2973, 0.3852)
contains.

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Color

Yxy(88.3702, 0.2971, 0.3682)

Conversions

Conversions Part 1

Format	Color
Hex	C4FFDB
RGB	196, 255, 219
RGB Percent	77%, 100%, 86%
CMY	0.2315, 0.0000, 0.1411
CMYK	0.23, 0.00, 0.14, 0.00
HSL	143°, 100%, 88%
HSV	143°, 23%, 100%
XYZ	71.3058, 88.3702, 80.3300
YIQ	233.2550, -23.6080, -23.7040

Conversions

Conversions Part 2

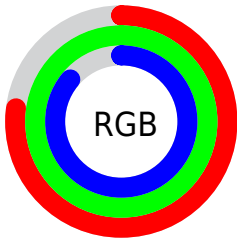
Format	Color
RYB	196, 238, 255
Decimal	12910555
CIELab	95.32, -25.49, 11.21
CIELCh	95, 27.844, 156.267
Yxy	88.3702, 0.2971, 0.3682
Android (android.graphics.Color)	4291100635 (0xFFC4FFDB)
YUV	233.2550, -7.0277, -32.6726
Hunter-Lab	94.0054, -29.1122, 15.1390

Details

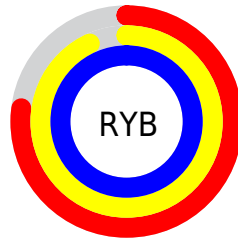
The Yxy color **88.3702, 0.2971, 0.3682** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.5464, 0.3324, 0.2928**, and the grayscale version is **81.7473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **48.7312, 0.2933, 0.3773** is the 20% darker color. If you saturate the color by 10%, you get **84.4526, 0.2909, 0.3883**, and if you desaturate by 10%, it is **92.9379, 0.3037, 0.3500**.

Distribution



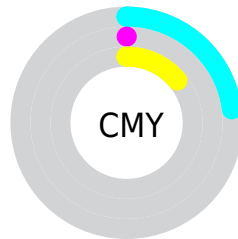
- Red (77%)
- Green (100%)
- Blue (86%)



- Red (77%)
- Yellow (93%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.3702, 0.2971, 0.3682 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 88.3702, 0.2971, 0.3682 by changing the saturation by 10% instead.

 88.3702, 0.2971,
0.3682

 88.3702, 0.2971,
0.3682


522.7148, 0.3043,
0.3502

 66.6297, 0.2954,
0.3723


145.0724, 0.2996,
0.3620

 48.7838, 0.2934,
0.3774


180.8030, 0.3006,
0.3595

 34.4480, 0.2908,
0.3837


221.9656, 0.3014,
0.3574

 23.2380, 0.2874,
0.3921

268.9448, 0.3022,
0.3556

 14.7693, 0.2828,
0.4034

322.1250, 0.3028,
0.3540

 8.6576, 0.2762,
0.4195

381.8904, 0.3034,

 4.5186, 0.2658,

0.3526

0.4445

448.6255, 0.3039,
0.3513

1.9677, 0.2476,
0.4880

0.5886, 0.0000,
1.0000

88.3702, 0.2971,
0.3682

88.3702, 0.2971,
0.3682

84.4526, 0.2909,
0.3883

92.9379, 0.3037,
0.3500

81.1647, 0.2855,
0.4101

98.1961, 0.3106,
0.3337

78.4688, 0.2812,
0.4333

100.0000, 0.3127,
0.3290

76.3273, 0.2783,
0.4573

■ 74.6983, 0.2771,
0.4814

■ 73.5334, 0.2779,
0.5045

■ 72.7744, 0.2805,
0.5257

■ 72.4323, 0.2830,
0.5389

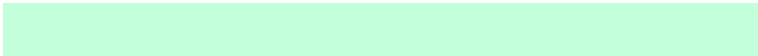
Harmonies

Analogous

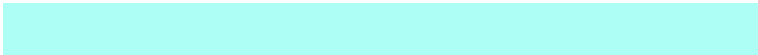
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.3702, 0.3285, 0.3838



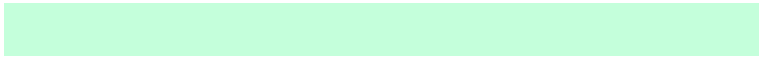
88.3702, 0.2971, 0.3682



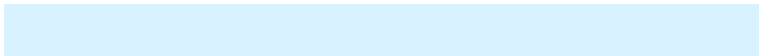
88.3702, 0.2708, 0.3405

Triad

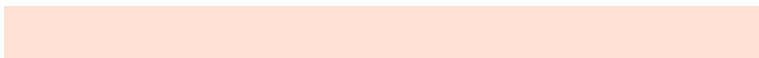
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.3702, 0.2971, 0.3682



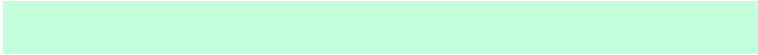
88.3702, 0.2691, 0.2778



88.3702, 0.3731, 0.3422

Complementary

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



88.3702, 0.2971, 0.3682



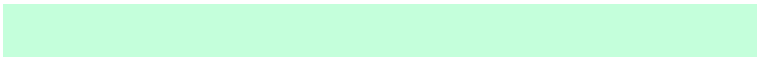
66.5464, 0.3324, 0.2928

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.



88.3702, 0.3556, 0.3162



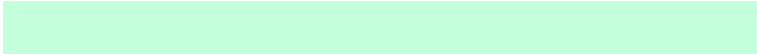
88.3702, 0.2971, 0.3682



88.3702, 0.2947, 0.2802

Square

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



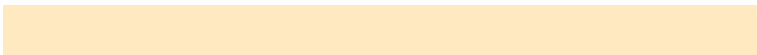
88.3702, 0.2971, 0.3682



88.3702, 0.2553, 0.2883



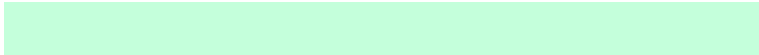
88.3702, 0.3264, 0.2940



88.3702, 0.3733, 0.3665

Rectangle

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



88.3702, 0.2971, 0.3682



88.3702, 0.2593, 0.3203



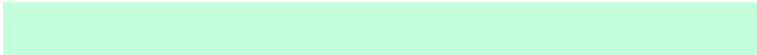
88.3702, 0.3264, 0.2940



88.3702, 0.3690, 0.3334

Sweetspot

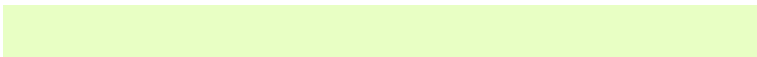
The Sweet Spot groups the original color and five complimentary colors.



88.3665, 0.2971, 0.3682



96.0894, 0.3079, 0.3398



92.7216, 0.3328, 0.3900



20.4984, 0.3075, 0.3407



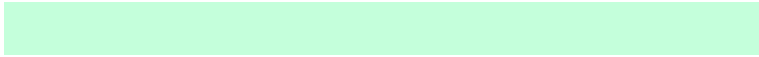
0.0000, 0.0000, 0.0000



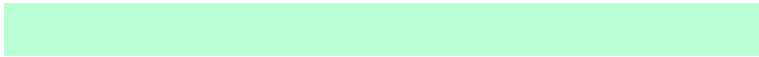
21.4041, 0.3127, 0.3290

Same Dimension

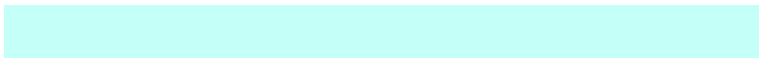
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.3665, 0.2971, 0.3682



86.3886, 0.2940, 0.3777



90.0352, 0.2818, 0.3362



20.2856, 0.3062, 0.3438



37.8746, 0.2822, 0.5359



3.7084, 0.2759, 0.5131

Inverse Universe

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



66.5464, 0.3324, 0.2928



60.9274, 0.3376, 0.2850



65.0282, 0.3552, 0.3220



18.1731, 0.3198, 0.3146



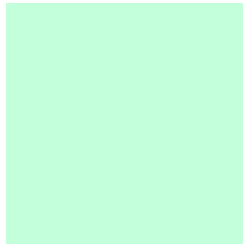
12.3827, 0.4506, 0.2256



1.2271, 0.4317, 0.2152

Previews

White Background



This preview shows how the Yxy color 88.3702, 0.2971, 0.3682 looks on a white background.

Color Contrast Check

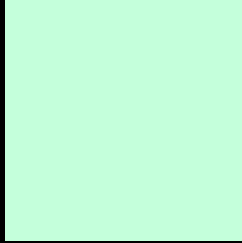
Large Text (above 18pt) WCAG AA × Fail

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 88.3702, 0.2971, 0.3682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

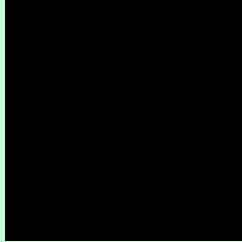
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.3702, 0.2971, 0.3682

Background



This preview shows how black text looks on a background with the Yxy color 88.3702, 0.2971, 0.3682.

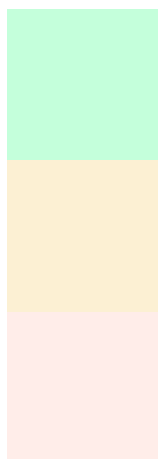


This preview shows how white text looks on a background with the Yxy color 88.3702, 0.2971, 0.3682.

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

88.3702, 0.2971, 0.3682

Protanopia

87.7188, 0.3391, 0.3581

Deuteranopia

87.7116, 0.3274, 0.3330



Tritanopia

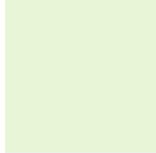
88.3721, 0.2938, 0.3188

Trichromacy



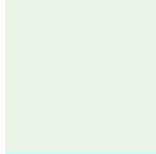
Original Color

88.3702, 0.2971, 0.3682



Protanomaly

87.3157, 0.3229, 0.3612



Deuteranomaly

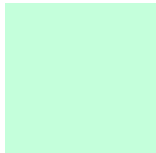
87.7952, 0.3158, 0.3454



Tritanomaly

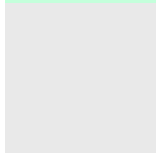
88.4583, 0.2951, 0.3362

Monochromacy



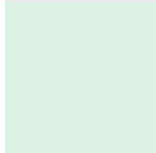
Original Color

88.3702, 0.2971, 0.3682



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.7277, 0.3069, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.3702, 0.2971, 0.3682 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 219) }
```

Border

The CSS property to change the border of an element to Yxy 88.3702, 0.2971, 0.3682 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, 219) }
```

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

```
.border{ border-color:rgb(196, 255, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 88.3702, 0.2971, 0.3682 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, 219) }
```

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

```
.background{ background-color: rgb(196,  
255, 219) }
```

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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