

Converting Colors

$Y_{xy}(134.0578, 0.3053, 0.4260)$

Have a look what the booklet for
Yxy(134.0578, 0.3053, 0.4260)
contains.

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Color

Yxy(89.7849, 0.3070, 0.3729)

Conversions

Conversions Part 1

Format	Color
Hex	D0FFD6
RGB	208, 255, 214
RGB Percent	82%, 100%, 84%
CMY	0.1842, 0.0000, 0.1607
CMYK	0.18, 0.00, 0.16, 0.00
HSL	128°, 100%, 91%
HSV	128°, 18%, 100%
XYZ	73.9178, 89.7849, 77.0720
YIQ	236.2730, -14.8510, -22.7150

Conversions

Conversions Part 2

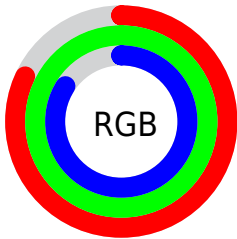
Format	Color
RYB	208, 250, 255
Decimal	13696982
CIELab	95.91, -22.55, 14.70
CIElCh	96, 26.924, 146.902
Yxy	89.7849, 0.3070, 0.3729
Android (android.graphics.Color)	4291887062 (0xFFD0FFD6)
YUV	236.2730, -10.9806, -24.7954
Hunter-Lab	94.7549, -26.5741, 18.1030

Details

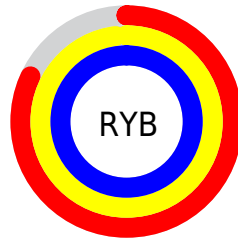
The Yxy color **89.7849, 0.3070, 0.3729** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.2225, 0.3190, 0.2887**, and the grayscale version is **84.2020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6637, 0.3056, 0.3833** is the 20% darker color. If you saturate the color by 10%, you get **85.3243, 0.3039, 0.4010**, and if you desaturate by 10%, it is **95.0025, 0.3101, 0.3478**.

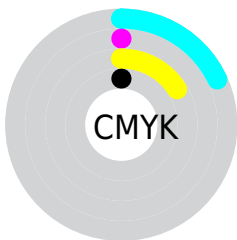
Distribution



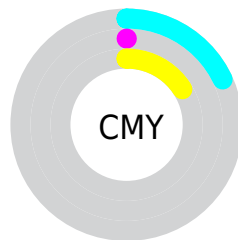
- Red (82%)
- Green (100%)
- Blue (84%)



- Red (82%)
- Yellow (98%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.7849, 0.3070, 0.3729 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 89.7849, 0.3070, 0.3729 by changing the saturation by 10% instead.

 89.7849, 0.3070,
0.3729

 89.7849, 0.3070,
0.3729


527.3309, 0.3099,
0.3527

 67.8023, 0.3063,
0.3775


147.0396, 0.3080,
0.3659

 49.7369, 0.3054,
0.3831


183.0804, 0.3084,
0.3632

 35.2044, 0.3043,
0.3902

224.5761, 0.3087,
0.3609

 23.8203, 0.3027,
0.3995

271.9110, 0.3090,
0.3588

 15.2004, 0.3004,
0.4120

325.4695, 0.3093,
0.3570

 8.9602, 0.2970,
0.4298

385.6361, 0.3095,

 4.7152, 0.2912,

0.3554

0.4572

452.7951, 0.3097,
0.3540

■ 2.0811, 0.2801,
0.5043

■ 0.6540, 0.0979,
0.9021

■ 89.7849, 0.3070,
0.3729

■ 89.7849, 0.3070,
0.3729

■ 85.3243, 0.3039,
0.4010

■ 95.0025, 0.3101,
0.3478

■ 81.5746, 0.3009,
0.4316

99.9986, 0.3127,
0.3290

■ 78.5024, 0.2984,
0.4639

■ 76.0669, 0.2964,
0.4965

■ 74.2230, 0.2953,
0.5275

■ 72.9196, 0.2952,
0.5547

■ 72.0966, 0.2960,
0.5760

■ 71.6726, 0.2976,
0.5903

■ 71.6262, 0.2978,
0.5920

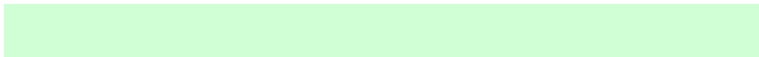
Harmonies

Analogous

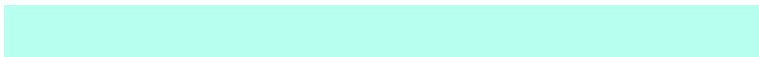
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7849, 0.3371, 0.3830



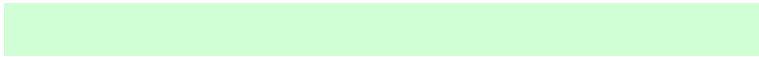
89.7849, 0.3070, 0.3729



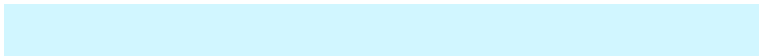
89.7849, 0.2794, 0.3491

Triad

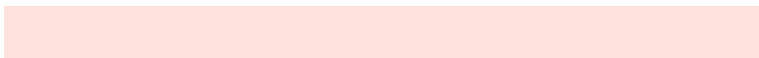
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.7849, 0.3070, 0.3729



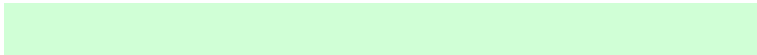
89.7849, 0.2652, 0.2815



89.7849, 0.3671, 0.3339

Complementary

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



89.7849, 0.3070, 0.3729



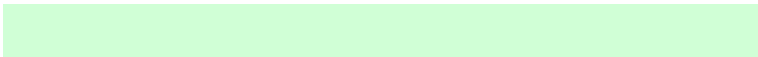
73.2225, 0.3190, 0.2887

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.



89.7849, 0.3460, 0.3094



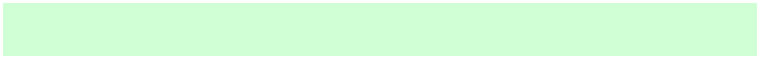
89.7849, 0.3070, 0.3729



89.7849, 0.2867, 0.2799

Square

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



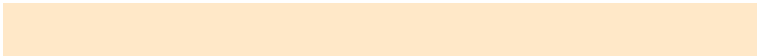
89.7849, 0.3070, 0.3729



89.7849, 0.2560, 0.2956



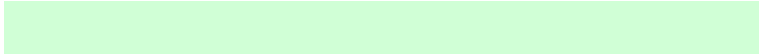
89.7849, 0.3162, 0.2901



89.7849, 0.3728, 0.3584

Rectangle

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



89.7849, 0.3070, 0.3729



89.7849, 0.2658, 0.3297



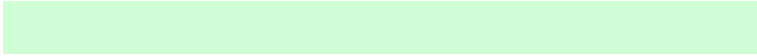
89.7849, 0.3162, 0.2901



89.7849, 0.3616, 0.3255

Sweetspot

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



89.7887, 0.3070, 0.3729



96.3830, 0.3109, 0.3422



96.3089, 0.3369, 0.3756



20.5493, 0.3107, 0.3437



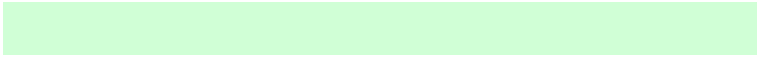
0.0000, 0.0000, 0.0000



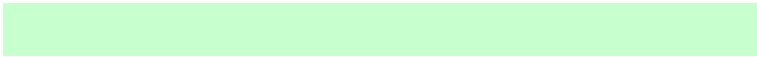
21.4041, 0.3127, 0.3290

Same Dimension

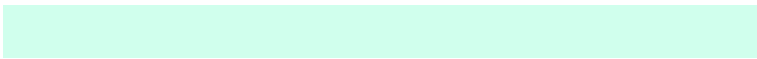
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7887, 0.3070, 0.3729



88.1082, 0.3059, 0.3826



91.0460, 0.2944, 0.3479



20.2060, 0.3098, 0.3504



37.4386, 0.2973, 0.5904



3.6565, 0.2930, 0.5747

Inverse Universe

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



73.2225, 0.3190, 0.2887



68.8274, 0.3204, 0.2807



71.8762, 0.3354, 0.3109



18.2580, 0.3158, 0.3085



13.8913, 0.3562, 0.1736



1.3632, 0.3515, 0.1710

Previews

White Background



This preview shows how the Yxy color 89.7849, 0.3070, 0.3729 looks on a white background.

Color Contrast Check

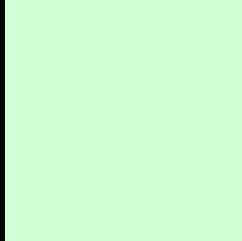
Large Text (above 18pt) WCAG AA × Fail

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 89.7849, 0.3070, 0.3729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

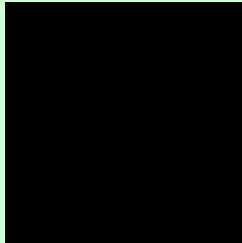
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

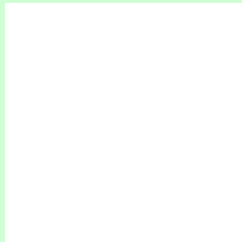
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.7849, 0.3070, 0.3729

Background



This preview shows how black text looks on a background with the Yxy color 89.7849, 0.3070, 0.3729.

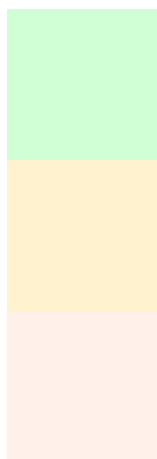


This preview shows how white text looks on a background with the Yxy color 89.7849, 0.3070, 0.3729.

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

89.7849, 0.3070, 0.3729

Protanopia

89.2693, 0.3434, 0.3639

Deuteranopia

89.5207, 0.3264, 0.3349



Tritanopia

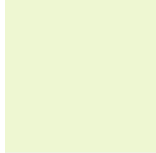
89.5137, 0.2981, 0.3190

Trichromacy



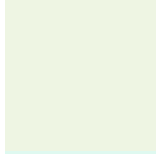
Original Color

89.7849, 0.3070, 0.3729



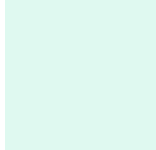
Protanomaly

89.3518, 0.3292, 0.3669



Deuteranomaly

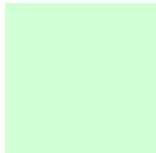
89.0280, 0.3190, 0.3473



Tritanomaly

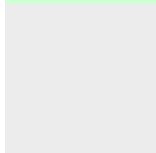
89.7306, 0.3017, 0.3382

Monochromacy



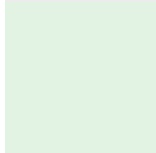
Original Color

89.7849, 0.3070, 0.3729



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.8714, 0.3107, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.7849, 0.3070, 0.3729 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(208, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 214)  
}
```

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(208, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 214) }
```

Border

The CSS property to change the border of an element to Yxy 89.7849, 0.3070, 0.3729 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(208, 255, 214) }
```

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

```
.border{ border-color:rgb(208, 255, 214) }
```

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

Here you see how a box with a 4 pixel rgb(208, 255, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 89.7849, 0.3070, 0.3729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 255, 214) }
```

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

```
.background{ background-color: rgb(208,  
255, 214) }
```

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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