

Converting Colors

$Yxy(93.6099, 0.3080, 0.3807)$

Have a look what the booklet for
Yxy(93.6099, 0.3080, 0.3807)
contains.

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Color

Yxy(89.6834, 0.3081, 0.3752)

Conversions

Conversions Part 1

Format	Color
Hex	D0FFD4
RGB	208, 255, 212
RGB Percent	82%, 100%, 83%
CMY	0.1845, 0.0000, 0.1687
CMYK	0.18, 0.00, 0.17, 0.00
HSL	125°, 100%, 91%
HSV	125°, 18%, 100%
XYZ	73.6446, 89.6834, 75.7002
YIQ	236.0450, -14.2090, -23.3370

Conversions

Conversions Part 2

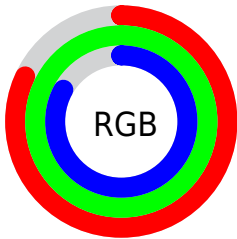
Format	Color
R_{YB}	208, 251, 255
Decimal	13696980
CIE _{Lab}	95.87, -22.94, 15.69
CIE _{LCh}	96, 27.795, 145.624
Yxy	89.6834, 0.3081, 0.3752
Android (android.graphics.Color)	4291887060 (0xFFD0FFD4)
YUV	236.0450, -11.8542, -24.5955
Hunter-Lab	94.7013, -26.9166, 18.8970

Details

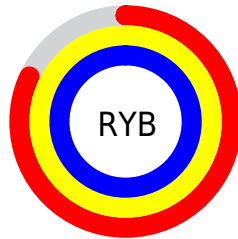
The Yxy color **89.6834, 0.3081, 0.3752** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.3152, 0.3176, 0.2868**, and the grayscale version is **84.0048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.5948, 0.3070, 0.3862** is the 20% darker color. If you saturate the color by 10%, you get **85.1802, 0.3055, 0.4047**, and if you desaturate by 10%, it is **94.9363, 0.3106, 0.3488**.

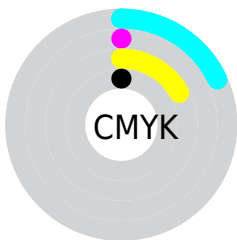
Distribution



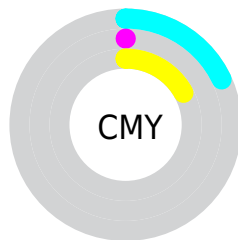
- Red (82%)
- Green (100%)
- Blue (83%)



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



- Cyan (18%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.6834, 0.3081, 0.3752 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 89.6834, 0.3081, 0.3752 by changing the saturation by 10% instead.

 89.6834, 0.3081,
0.3752

 89.6834, 0.3081,
0.3752


527.0004, 0.3105,
0.3539

 67.7181, 0.3075,
0.3800

146.8985, 0.3090,
0.3678

 49.6684, 0.3067,
0.3860


182.9172, 0.3093,
0.3650

 35.1500, 0.3057,
0.3935


224.3890, 0.3096,
0.3625

 23.7784, 0.3043,
0.4033

271.6985, 0.3098,
0.3604

 15.1694, 0.3022,
0.4165

325.2300, 0.3100,
0.3585

 8.9383, 0.2990,
0.4353

385.3678, 0.3102,

 4.7010, 0.2935,

0.3568

0.4643

452.4965, 0.3104,
0.3553

■ 2.0729, 0.2828,
0.5148

■ 0.6493, 0.0809,
0.9191

■ 89.6834, 0.3081,
0.3752

■ 89.6834, 0.3081,
0.3752

■ 85.1802, 0.3055,
0.4047

■ 94.9363, 0.3106,
0.3488

■ 81.4127, 0.3030,
0.4368

100.0000, 0.3127,
0.3290

■ 78.3354, 0.3008,
0.4705

■ 75.9061, 0.2990,
0.5042

■ 74.0785, 0.2978,
0.5356

■ 72.7996, 0.2974,
0.5623

■ 72.0074, 0.2978,
0.5823

■ 71.6175, 0.2987,
0.5945

■ 71.5771, 0.2988,
0.5957

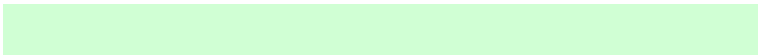
Harmonies

Analogous

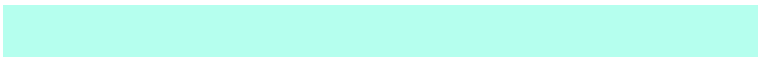
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6834, 0.3391, 0.3849



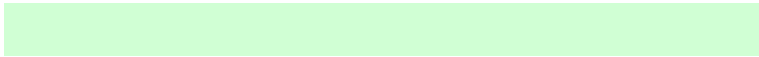
89.6834, 0.3081, 0.3752



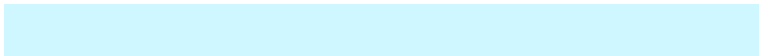
89.6834, 0.2793, 0.3510

Triad

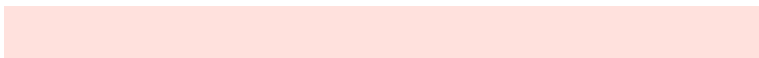
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.6834, 0.3081, 0.3752



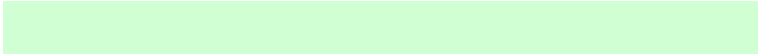
89.6834, 0.2630, 0.2804



89.6834, 0.3683, 0.3329

Complementary

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



89.6834, 0.3081, 0.3752



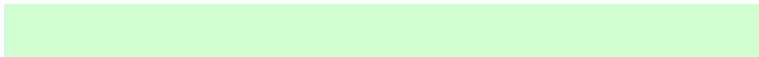
73.3152, 0.3176, 0.2868

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.



89.6834, 0.3459, 0.3078



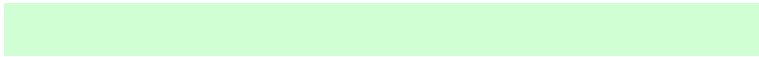
89.6834, 0.3081, 0.3752



89.6834, 0.2847, 0.2782

Square

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



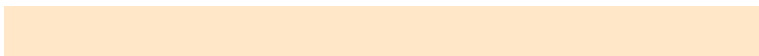
89.6834, 0.3081, 0.3752



89.6834, 0.2542, 0.2953



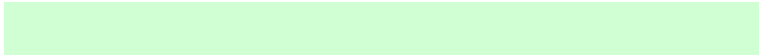
89.6834, 0.3149, 0.2882



89.6834, 0.3749, 0.3583

Rectangle

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



89.6834, 0.3081, 0.3752



89.6834, 0.2650, 0.3310



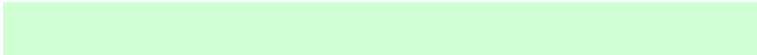
89.6834, 0.3149, 0.2882



89.6834, 0.3624, 0.3242

Sweetspot

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



89.6762, 0.3081, 0.3752



96.3441, 0.3113, 0.3428



96.5961, 0.3380, 0.3755



20.5402, 0.3111, 0.3444



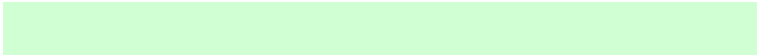
0.0000, 0.0000, 0.0000



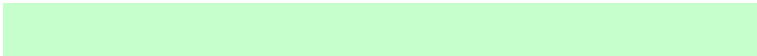
21.4041, 0.3127, 0.3290

Same Dimension

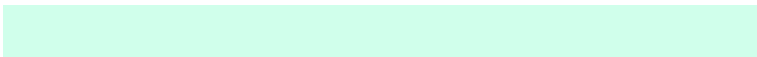
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6762, 0.3081, 0.3752



87.9934, 0.3072, 0.3853



90.9451, 0.2953, 0.3496



20.1934, 0.3104, 0.3514



37.4092, 0.2985, 0.5945



3.6506, 0.2952, 0.5829

Inverse Universe

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



73.3152, 0.3176, 0.2868



68.9760, 0.3187, 0.2785



71.9284, 0.3343, 0.3093



18.2720, 0.3151, 0.3075



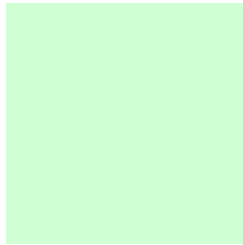
14.2004, 0.3437, 0.1667



1.3902, 0.3408, 0.1651

Previews

White Background



This preview shows how the Yxy color 89.6834, 0.3081, 0.3752 looks on a white background.

Color Contrast Check

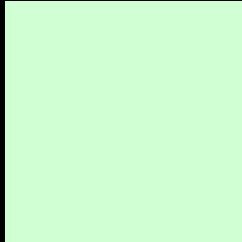
Large Text (above 18pt) WCAG AA × Fail

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 89.6834, 0.3081, 0.3752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

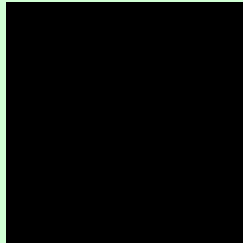
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

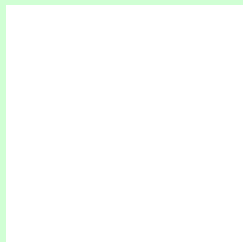
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.6834, 0.3081, 0.3752

Background



This preview shows how black text looks on a background with the Yxy color 89.6834, 0.3081, 0.3752.

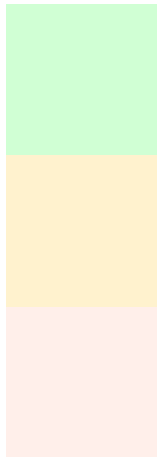


This preview shows how white text looks on a background with the Yxy color 89.6834, 0.3081, 0.3752.

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

89.6834, 0.3081, 0.3752

Protanopia

89.2205, 0.3441, 0.3649

Deuteranopia

88.9335, 0.3265, 0.3339



Tritanopia

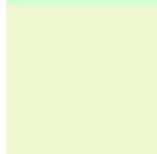
89.5137, 0.2981, 0.3190

Trichromacy



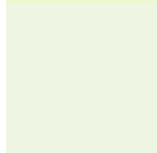
Original Color

89.6834, 0.3081, 0.3752



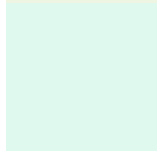
Protanomaly

89.2527, 0.3304, 0.3690



Deuteranomaly

88.9729, 0.3196, 0.3483



Tritanomaly

89.6713, 0.3022, 0.3393

Monochromacy



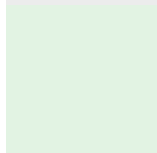
Original Color

89.6834, 0.3081, 0.3752



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.8160, 0.3113, 0.3457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6834, 0.3081, 0.3752 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(208, 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(208, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 212) }
```

Border

The CSS property to change the border of an element to Yxy 89.6834, 0.3081, 0.3752 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, 212) }
```

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

```
.border{ border-color:rgb(208, 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(208, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6834, 0.3081, 0.3752 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, 212) }
```

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

```
.background{ background-color: rgb(208,  
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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