

Converting Colors

$Yxy(89.6938, 0.2995, 0.3630)$

Have a look what the booklet for
Yxy(89.6938, 0.2995, 0.3630)
contains.

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Color

Yxy(89.6851, 0.2997, 0.3633)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFDF
RGB	204, 255, 223
RGB Percent	80%, 100%, 87%
CMY	0.1998, 0.0000, 0.1257
CMYK	0.20, 0.00, 0.13, 0.00
HSL	142°, 100%, 90%
HSV	142°, 20%, 100%
XYZ	73.9847, 89.6851, 83.1926
YIQ	236.1030, -20.1240, -20.7640

Conversions

Conversions Part 2

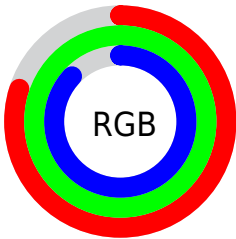
Format	Color
RYB	204, 241, 255
Decimal	13434847
CIELab	95.87, -22.24, 10.03
CIELCh	96, 24.396, 155.718
Yxy	89.6851, 0.2997, 0.3633
Android (android.graphics.Color)	4291624927 (0xFFCCFFDF)
YUV	236.1030, -6.4598, -28.1543
Hunter-Lab	94.7022, -26.2785, 14.2073

Details

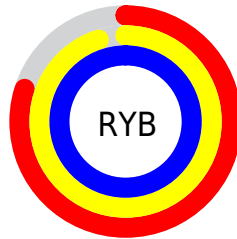
The Yxy color **89.6851, 0.2997, 0.3633** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.5269, 0.3285, 0.2970**, and the grayscale version is **84.0314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6049, 0.2964, 0.3708** is the 20% darker color. If you saturate the color by 10%, you get **85.5505, 0.2936, 0.3835**, and if you desaturate by 10%, it is **94.4989, 0.3062, 0.3451**.

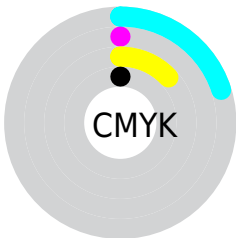
Distribution



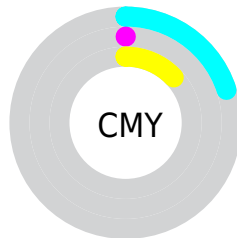
- Red (80%)
- Green (100%)
- Blue (87%)



- Red (80%)
- Yellow (95%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.6851, 0.2997, 0.3633 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 89.6851, 0.2997, 0.3633 by changing the saturation by 10% instead.

 89.6851, 0.2997,
0.3633

 89.6851, 0.2997,
0.3633


527.0060, 0.3057,
0.3476

 67.7195, 0.2983,
0.3668

146.9009, 0.3018,
0.3579

 49.6696, 0.2967,
0.3712


182.9199, 0.3026,
0.3558

 35.1509, 0.2945,
0.3767


224.3921, 0.3033,
0.3539

 23.7792, 0.2918,
0.3838

271.7020, 0.3039,
0.3524

 15.1699, 0.2880,
0.3935

325.2340, 0.3044,
0.3510

 8.9387, 0.2826,
0.4072

385.3723, 0.3049,

 4.7012, 0.2743,

0.3497

0.4282

452.5015, 0.3053,
0.3486

■ 2.0730, 0.2597,
0.4642

■ 0.6494, 0.1020,
0.8902

■ 89.6851, 0.2997,
0.3633

■ 89.6851, 0.2997,
0.3633

■ 85.5505, 0.2936,
0.3835

■ 94.4989, 0.3062,
0.3451

■ 82.0532, 0.2881,
0.4055

100.0000, 0.3127,
0.3290

■ 79.1633, 0.2836,
0.4291

■ 76.8443, 0.2804,
0.4537

■ 75.0555, 0.2787,
0.4785

■ 73.7508, 0.2790,
0.5025

■ 72.8751, 0.2810,
0.5248

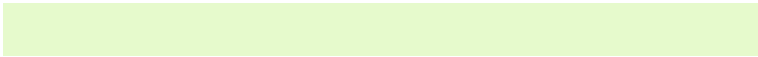
■ 72.3408, 0.2846,
0.5444

■ 72.3400, 0.2846,
0.5445

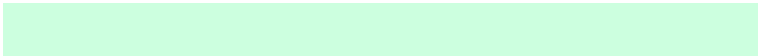
Harmonies

Analogous

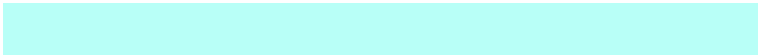
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6851, 0.3272, 0.3766



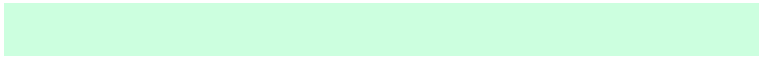
89.6851, 0.2997, 0.3633



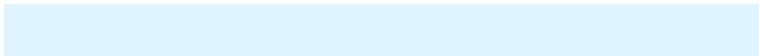
89.6851, 0.2765, 0.3396

Triad

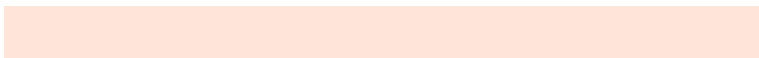
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.6851, 0.2997, 0.3633



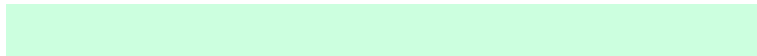
89.6851, 0.2742, 0.2842



89.6851, 0.3651, 0.3404

Complementary

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



89.6851, 0.2997, 0.3633



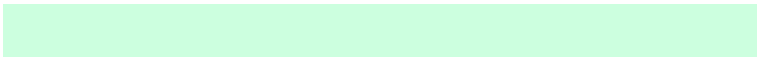
70.5269, 0.3285, 0.2970

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.



89.6851, 0.3497, 0.3175



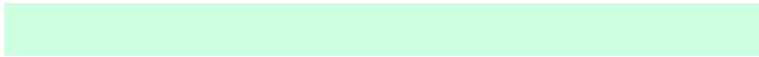
89.6851, 0.2997, 0.3633



89.6851, 0.2966, 0.2860

Square

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



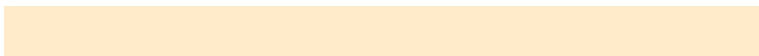
89.6851, 0.2997, 0.3633



89.6851, 0.2622, 0.2939



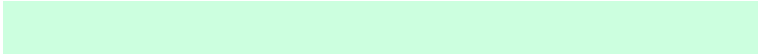
89.6851, 0.3242, 0.2980



89.6851, 0.3657, 0.3617

Rectangle

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



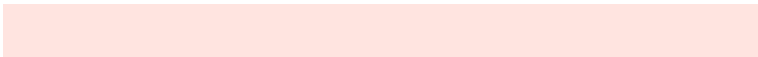
89.6851, 0.2997, 0.3633



89.6851, 0.2662, 0.3221



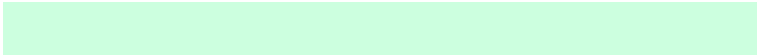
89.6851, 0.3242, 0.2980



89.6851, 0.3615, 0.3327

Sweetspot

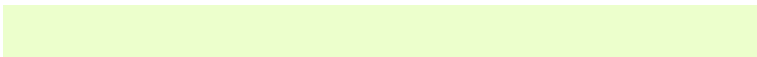
The Sweet Spot groups the original color and five complimentary colors.



89.6888, 0.2997, 0.3633



96.6086, 0.3088, 0.3385



93.7686, 0.3306, 0.3810



20.6025, 0.3083, 0.3395



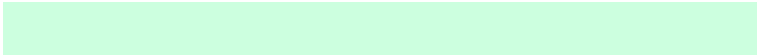
0.0000, 0.0000, 0.0000



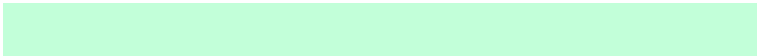
21.4041, 0.3127, 0.3290

Same Dimension

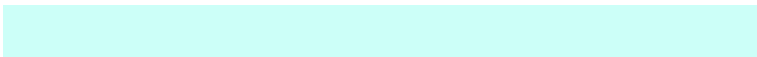
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6888, 0.2997, 0.3633



87.9476, 0.2972, 0.3712



91.1534, 0.2862, 0.3360



20.2797, 0.3065, 0.3443



37.8256, 0.2837, 0.5414



3.7032, 0.2774, 0.5186

Inverse Universe

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



70.5269, 0.3285, 0.2970



65.5968, 0.3323, 0.2903



69.1608, 0.3474, 0.3222



18.1793, 0.3195, 0.3142



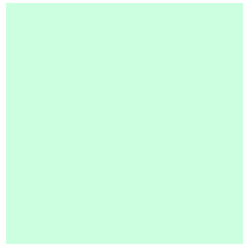
12.4711, 0.4427, 0.2212



1.2354, 0.4250, 0.2115

Previews

White Background



This preview shows how the Yxy color 89.6851, 0.2997, 0.3633 looks on a white background.

Color Contrast Check

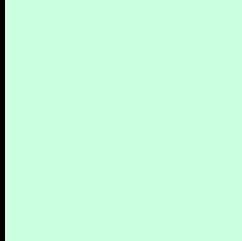
Large Text (above 18pt) WCAG AA × Fail

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 89.6851, 0.2997, 0.3633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

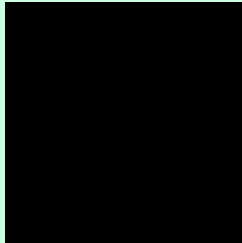
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

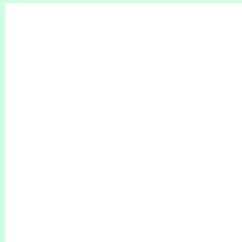
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.6851, 0.2997, 0.3633

Background



This preview shows how black text looks on a background with the Yxy color 89.6851, 0.2997, 0.3633.

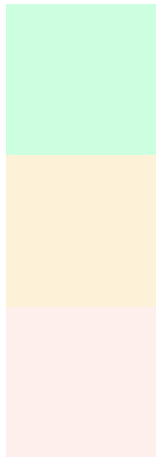


This preview shows how white text looks on a background with the Yxy color 89.6851, 0.2997, 0.3633.

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

89.6851, 0.2997, 0.3633

Protanopia

89.3448, 0.3363, 0.3549

Deuteranopia

89.0491, 0.3253, 0.3320



Tritanopia

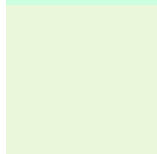
89.1828, 0.2969, 0.3189

Trichromacy



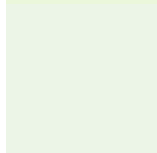
Original Color

89.6851, 0.2997, 0.3633



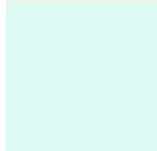
Protanomaly

89.2982, 0.3217, 0.3577



Deuteranomaly

88.9072, 0.3153, 0.3432



Tritanomaly

89.4381, 0.2982, 0.3351

Monochromacy



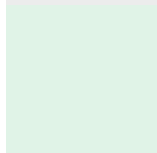
Original Color

89.6851, 0.2997, 0.3633



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.7180, 0.3076, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6851, 0.2997, 0.3633 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(204, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 223)  
}
```

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(204, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 223) }
```

Border

The CSS property to change the border of an element to Yxy 89.6851, 0.2997, 0.3633 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(204, 255, 223) }
```

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

```
.border{ border-color:rgb(204, 255, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6851, 0.2997, 0.3633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 223) }
```

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

```
.background{ background-color: rgb(204,  
255, 223) }
```

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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