

Converting Colors

$Yxy(89.9289, 0.2972, 0.3584)$

Have a look what the booklet for
Yxy(89.9289, 0.2972, 0.3584)
contains.

Yxy(89.9034, 0.2975, 0.3589)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.9034, 0.2975, 0.3589)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFE3
RGB	204, 255, 227
RGB Percent	80%, 100%, 89%
CMY	0.2000, 0.0000, 0.1099
CMYK	0.20, 0.00, 0.11, 0.00
HSL	147°, 100%, 90%
HSV	147°, 20%, 100%
XYZ	74.5229, 89.9034, 86.0708
YIQ	236.5590, -21.4080, -19.5200

Conversions

Conversions Part 2

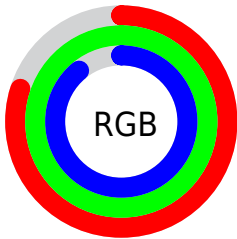
Format	Color
R _Y B	204, 239, 255
Decimal	13434851
CIE Lab	95.96, -21.52, 8.10
CIE LCh	96, 22.991, 159.361
Yxy	89.9034, 0.2975, 0.3589
Android (android.graphics.Color)	4291624931 (0xFFCCFFE3)
YUV	236.5590, -4.7126, -28.5542
Hunter-Lab	94.8174, -25.6362, 12.5515

Details

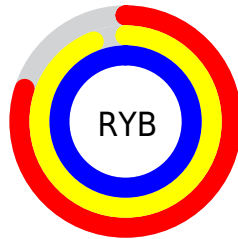
The Yxy color **89.9034, 0.2975, 0.3589** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.2753, 0.3314, 0.3009**, and the grayscale version is **84.3774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7563, 0.2937, 0.3650** is the 20% darker color. If you saturate the color by 10%, you get **85.8458, 0.2904, 0.3764**, and if you desaturate by 10%, it is **94.6106, 0.3050, 0.3431**.

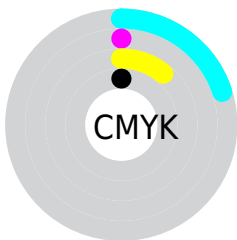
Distribution



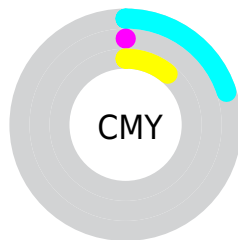
- Red (80%)
- Green (100%)
- Blue (89%)



- Red (80%)
- Yellow (94%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.9034, 0.2975, 0.3589 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 89.9034, 0.2975, 0.3589 by changing the saturation by 10% instead.


 89.9034, 0.2975,
0.3589

 89.9034, 0.2975,
0.3589

527.7166, 0.3044,
0.3453

 67.9005, 0.2959,
0.3620

147.2042, 0.2999,
0.3542

 49.8168, 0.2940,
0.3657

183.2709, 0.3008,
0.3524

 35.2679, 0.2916,
0.3705


224.7944, 0.3016,
0.3508

 23.8693, 0.2885,
0.3766

272.1590, 0.3023,
0.3494

 15.2367, 0.2843,
0.3849

325.7491, 0.3029,
0.3482

 8.9857, 0.2784,
0.3966

385.9491, 0.3035,

 4.7318, 0.2694,

0.3471

0.4145

453.1435, 0.3040,
0.3461

■ 2.0908, 0.2542,
0.4451

■ 0.6594, 0.1113,
0.7227

■ 89.9034, 0.2975,
0.3589

■ 89.9034, 0.2975,
0.3589

■ 85.8458, 0.2904,
0.3764

■ 94.6106, 0.3050,
0.3431

■ 82.4127, 0.2841,
0.3955

100.0000, 0.3127,
0.3290

■ 79.5696, 0.2788,
0.4159

■ 77.2810, 0.2749,
0.4374

■ 75.5070, 0.2728,
0.4593

■ 74.2025, 0.2727,
0.4809

■ 73.3136, 0.2745,
0.5015

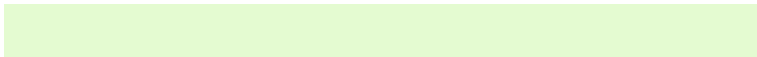
■ 72.7535, 0.2779,
0.5206

■ 72.7535, 0.2779,
0.5206

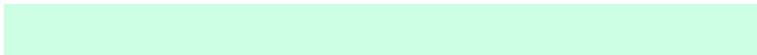
Harmonies

Analogous

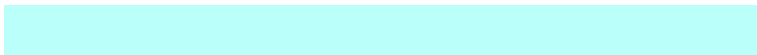
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9034, 0.3233, 0.3729



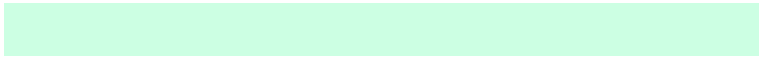
89.9034, 0.2975, 0.3589



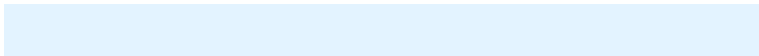
89.9034, 0.2764, 0.3360

Triad

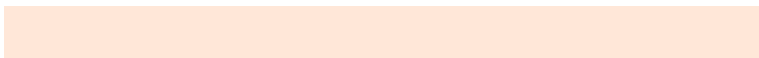
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.9034, 0.2975, 0.3589



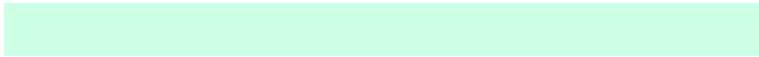
89.9034, 0.2785, 0.2863



89.9034, 0.3629, 0.3425

Complementary

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



89.9034, 0.2975, 0.3589



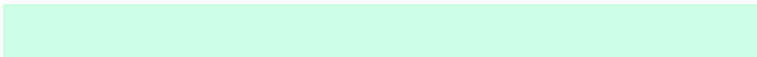
70.2753, 0.3314, 0.3009

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.



89.9034, 0.3499, 0.3208



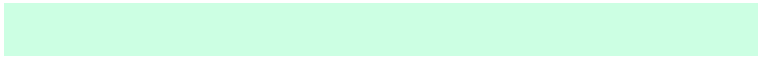
89.9034, 0.2975, 0.3589



89.9034, 0.3006, 0.2892

Square

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



89.9034, 0.2975, 0.3589



89.9034, 0.2658, 0.2943



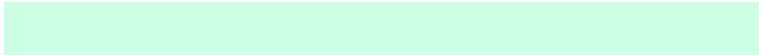
89.9034, 0.3268, 0.3016



89.9034, 0.3616, 0.3619

Rectangle

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



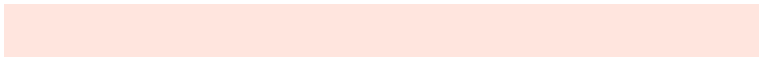
89.9034, 0.2975, 0.3589



89.9034, 0.2676, 0.3197



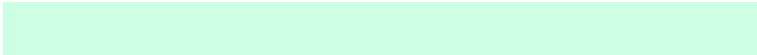
89.9034, 0.3268, 0.3016



89.9034, 0.3600, 0.3353

Sweetspot

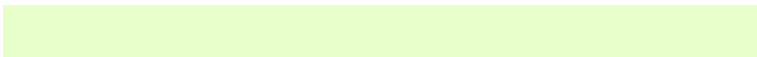
The Sweet Spot groups the original color and five complimentary colors.



89.9018, 0.2975, 0.3589



96.6828, 0.3081, 0.3373



93.0441, 0.3279, 0.3815



20.6201, 0.3076, 0.3382



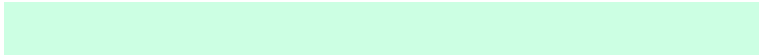
0.0000, 0.0000, 0.0000



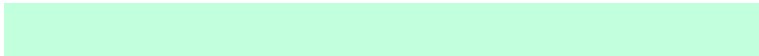
21.4041, 0.3127, 0.3290

Same Dimension

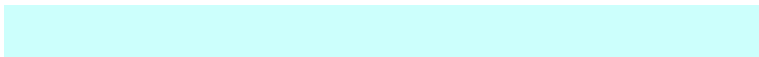
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.9018, 0.2975, 0.3589



88.2023, 0.2946, 0.3657



91.4146, 0.2840, 0.3316



20.3041, 0.3054, 0.3424



38.0444, 0.2771, 0.5175



3.7259, 0.2710, 0.4956

Inverse Universe

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



70.2753, 0.3314, 0.3009



65.3253, 0.3361, 0.2950



68.9301, 0.3507, 0.3265



18.1542, 0.3208, 0.3160



12.1316, 0.4754, 0.2392



1.2033, 0.4528, 0.2268

Previews

White Background



This preview shows how the Yxy color 89.9034, 0.2975, 0.3589 looks on a white background.

Color Contrast Check

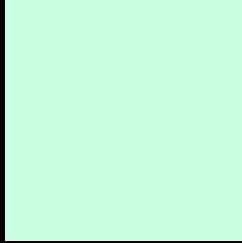
Large Text (above 18pt) WCAG AA × Fail

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 89.9034, 0.2975, 0.3589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

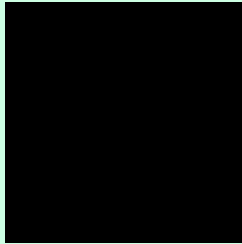
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

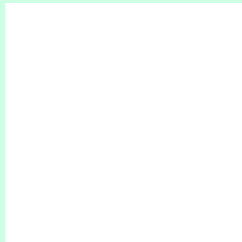
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.9034, 0.2975, 0.3589

Background



This preview shows how black text looks on a background with the Yxy color 89.9034, 0.2975, 0.3589.

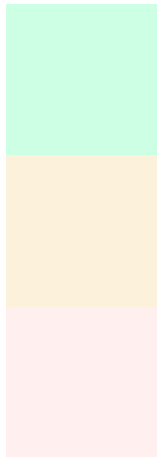


This preview shows how white text looks on a background with the Yxy color 89.9034, 0.2975, 0.3589.

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

89.9034, 0.2975, 0.3589

Protanopia

89.3670, 0.3330, 0.3509

Deuteranopia

89.1661, 0.3240, 0.3300



Tritanopia

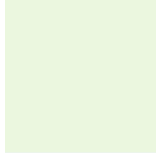
89.7895, 0.2969, 0.3199

Trichromacy



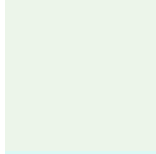
Original Color

89.9034, 0.2975, 0.3589



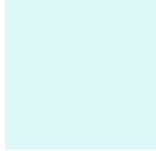
Protanomaly

89.5114, 0.3193, 0.3535



Deuteranomaly

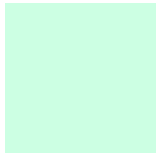
89.0782, 0.3135, 0.3401



Tritanomaly

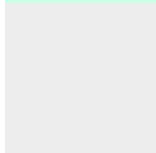
89.5596, 0.2970, 0.3331

Monochromacy



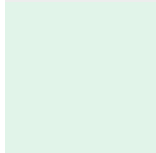
Original Color

89.9034, 0.2975, 0.3589



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.5921, 0.3070, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.9034, 0.2975, 0.3589 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 227) }
```

Border

The CSS property to change the border of an element to Yxy 89.9034, 0.2975, 0.3589 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, 227) }
```

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

```
.border{ border-color:rgb(204, 255, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 89.9034, 0.2975, 0.3589 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, 227) }
```

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

```
.background{ background-color: rgb(204,  
255, 227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor