

Converting Colors

$Yxy(89.5433, 0.2960, 0.3590)$

Have a look what the booklet for
Yxy(89.5433, 0.2960, 0.3590)
contains.

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Color

Yxy(89.4836, 0.2957, 0.3590)

Conversions

Conversions Part 1

Format	Color
Hex	C9FFE3
RGB	201, 255, 227
RGB Percent	79%, 100%, 89%
CMY	0.2119, 0.0000, 0.1098
CMYK	0.21, 0.00, 0.11, 0.00
HSL	149°, 100%, 89%
HSV	149°, 21%, 100%
XYZ	73.7056, 89.4836, 86.0688
YIQ	235.6620, -23.1960, -20.1560

Conversions

Conversions Part 2

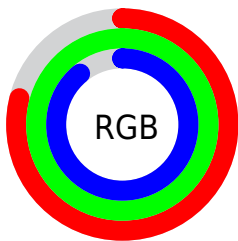
Format	Color
RYB	201, 237, 255
Decimal	13238243
CIELab	95.78, -22.46, 7.80
CIELCh	96, 23.773, 160.835
Yxy	89.4836, 0.2957, 0.3590
Android (android.graphics.Color)	4291428323 (0xFFC9FFE3)
YUV	235.6620, -4.2704, -30.3986
Hunter-Lab	94.5958, -26.4619, 12.2715

Details

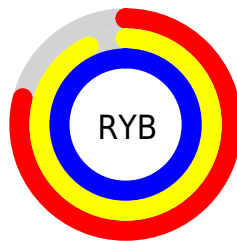
The Yxy color **89.4836, 0.2957, 0.3590** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.6691, 0.3341, 0.3009**, and the grayscale version is **83.6463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.4777, 0.2915, 0.3652** is the 20% darker color. If you saturate the color by 10%, you get **85.5326, 0.2883, 0.3756**, and if you desaturate by 10%, it is **94.0677, 0.3036, 0.3440**.

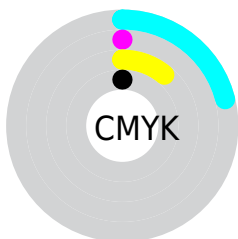
Distribution



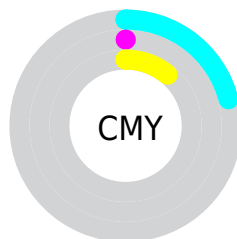
- Red (79%)
- Green (100%)
- Blue (89%)



- Red (79%)
- Yellow (93%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.4836, 0.2957, 0.3590 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 89.4836, 0.2957, 0.3590 by changing the saturation by 10% instead.


 89.4836, 0.2957,
0.3590

 89.4836, 0.2957,
0.3590


526.3496, 0.3034,
0.3453

 67.5524, 0.2940,
0.3621

146.6209, 0.2984,
0.3543

 49.5337, 0.2918,
0.3659


182.5958, 0.2994,
0.3524

 35.0430, 0.2892,
0.3706


224.0207, 0.3003,
0.3509

 23.6960, 0.2857,
0.3768

271.2801, 0.3011,
0.3495

 15.1083, 0.2811,
0.3852

324.7582, 0.3018,
0.3482

 8.8954, 0.2745,
0.3970

384.8396, 0.3024,

 4.6730, 0.2646,

0.3472

0.4151

451.9086, 0.3029,
0.3462

2.0567, 0.2477,
0.4460

0.6401, 0.0707,
0.7516

89.4836, 0.2957,
0.3590

89.4836, 0.2957,
0.3590

85.5326, 0.2883,
0.3756

94.0677, 0.3036,
0.3440

82.1986, 0.2817,
0.3937

99.3271, 0.3117,
0.3305

79.4443, 0.2763,
0.4130

100.0000, 0.3127,
0.3290

77.2338, 0.2724,
0.4332

■ 75.5271, 0.2702,
0.4538

■ 74.2785, 0.2701,
0.4743

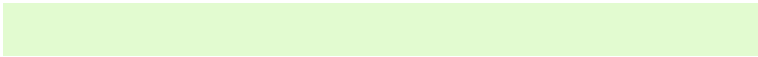
■ 73.4330, 0.2720,
0.4939

■ 72.9485, 0.2750,
0.5101

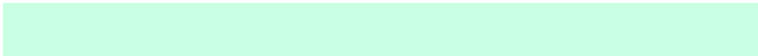
Harmonies

Analogous

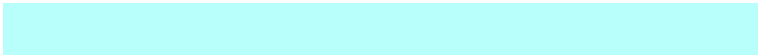
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4836, 0.3223, 0.3741



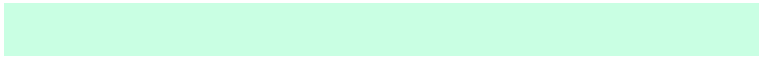
89.4836, 0.2957, 0.3590



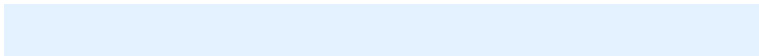
89.4836, 0.2743, 0.3350

Triad

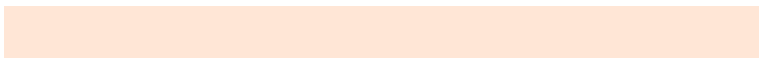
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.4836, 0.2957, 0.3590



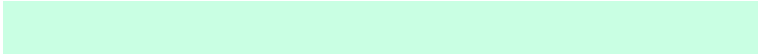
89.4836, 0.2783, 0.2848



89.4836, 0.3650, 0.3440

Complementary

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



89.4836, 0.2957, 0.3590



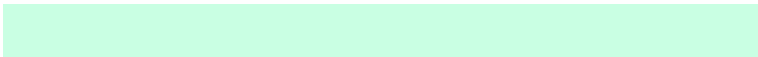
68.6691, 0.3341, 0.3009

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.



89.4836, 0.3522, 0.3215



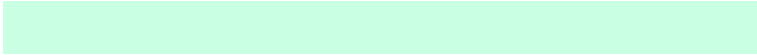
89.4836, 0.2957, 0.3590



89.4836, 0.3014, 0.2883

Square

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



89.4836, 0.2957, 0.3590



89.4836, 0.2646, 0.2924



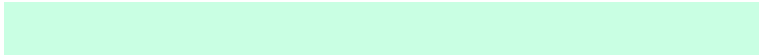
89.4836, 0.3286, 0.3016



89.4836, 0.3629, 0.3639

Rectangle

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



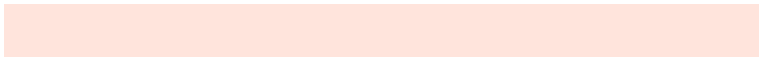
89.4836, 0.2957, 0.3590



89.4836, 0.2655, 0.3181



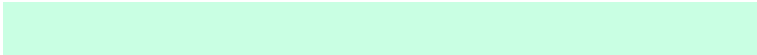
89.4836, 0.3286, 0.3016



89.4836, 0.3623, 0.3365

Sweetspot

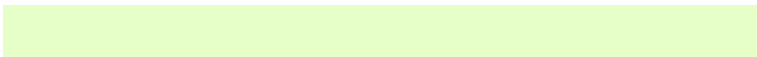
The Sweet Spot groups the original color and five complimentary colors.



89.4789, 0.2957, 0.3590



96.7129, 0.3078, 0.3368



92.5221, 0.3282, 0.3850



20.6272, 0.3073, 0.3377



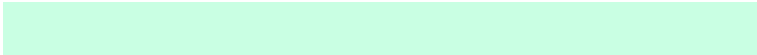
0.0000, 0.0000, 0.0000



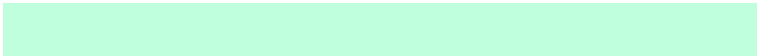
21.4041, 0.3127, 0.3290

Same Dimension

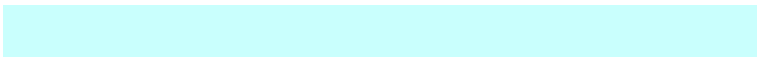
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.4789, 0.2957, 0.3590



87.9019, 0.2928, 0.3651



91.0366, 0.2820, 0.3308



20.3141, 0.3050, 0.3416



38.1470, 0.2742, 0.5071



3.7362, 0.2683, 0.4859

Inverse Universe

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



68.6691, 0.3341, 0.3009



64.0270, 0.3389, 0.2955



67.3154, 0.3543, 0.3273



18.1442, 0.3213, 0.3168



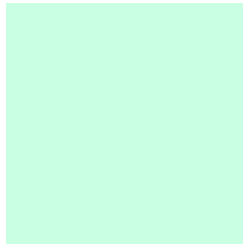
12.0106, 0.4888, 0.2467



1.1915, 0.4644, 0.2332

Previews

White Background



This preview shows how the Yxy color 89.4836, 0.2957, 0.3590 looks on a white background.

Color Contrast Check

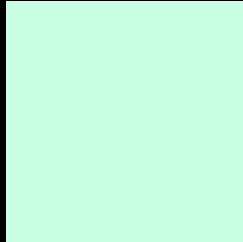
Large Text (above 18pt) WCAG AA × Fail

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 89.4836, 0.2957, 0.3590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

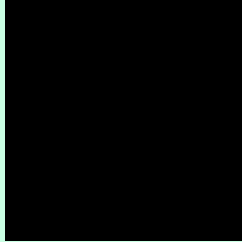
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

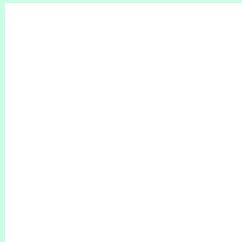
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.4836, 0.2957, 0.3590

Background



This preview shows how black text looks on a background with the Yxy color 89.4836, 0.2957, 0.3590.

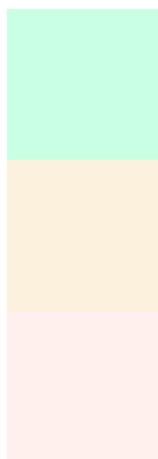


This preview shows how white text looks on a background with the Yxy color 89.4836, 0.2957, 0.3590.

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

89.4836, 0.2957, 0.3590

Protanopia

88.7733, 0.3332, 0.3499

Deuteranopia

89.1074, 0.3246, 0.3310



Tritanopia

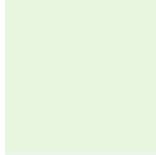
88.8557, 0.2956, 0.3189

Trichromacy



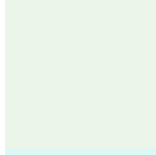
Original Color

89.4836, 0.2957, 0.3590



Protanomaly

88.5629, 0.3181, 0.3526



Deuteranomaly

88.8502, 0.3134, 0.3412



Tritanomaly

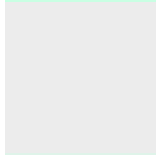
89.2494, 0.2958, 0.3331

Monochromacy



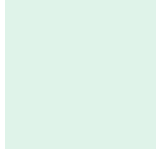
Original Color

89.4836, 0.2957, 0.3590



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.6724, 0.3058, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.4836, 0.2957, 0.3590 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(201, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(201, 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(201, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 227) }
```

Border

The CSS property to change the border of an element to Yxy 89.4836, 0.2957, 0.3590 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(201, 255, 227) }
```

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

```
.border{ border-color:rgb(201, 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(201, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 89.4836, 0.2957, 0.3590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 227) }
```

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

```
.background{ background-color: rgb(201,  
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](#).

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