

Converting Colors

$Yxy(89.4945, 0.3103, 0.3795)$

Have a look what the booklet for
Yxy(89.4945, 0.3103, 0.3795)
contains.

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Color

Yxy(89.4840, 0.3103, 0.3796)

Conversions

Conversions Part 1

Format	Color
Hex	D0FFD0
RGB	208, 255, 208
RGB Percent	82%, 100%, 82%
CMY	0.1845, 0.0000, 0.1842
CMYK	0.18, 0.00, 0.18, 0.00
HSL	120°, 100%, 91%
HSV	120°, 18%, 100%
XYZ	73.1477, 89.4840, 73.1006
YIQ	235.5890, -12.9250, -24.5810

Conversions

Conversions Part 2

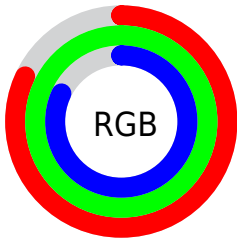
Format	Color
RYB	208, 255, 255
Decimal	13696976
CIELab	95.78, -23.62, 17.60
CIELCh	96, 29.456, 143.303
Yxy	89.4840, 0.3103, 0.3796
Android (android.graphics.Color)	4291887056 (0xFFD0FFD0)
YUV	235.5890, -13.6014, -24.1956
Hunter-Lab	94.5960, -27.5152, 20.3999

Details

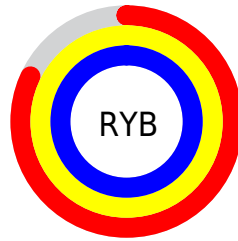
The Yxy color **89.4840, 0.3103, 0.3796** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.5616, 0.3149, 0.2831**, and the grayscale version is **83.6514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.4936, 0.3091, 0.3906** is the 20% darker color. If you saturate the color by 10%, you get **84.9200, 0.3088, 0.4119**, and if you desaturate by 10%, it is **94.8296, 0.3117, 0.3507**.

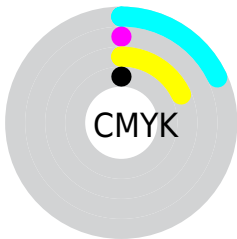
Distribution



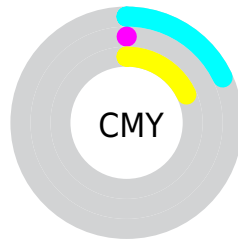
- Red (82%)
- Green (100%)
- Blue (82%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.4840, 0.3103, 0.3796 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 89.4840, 0.3103, 0.3796 by changing the saturation by 10% instead.

 89.4840, 0.3103,
0.3796

 89.4840, 0.3103,
0.3796


526.3509, 0.3118,
0.3563

 67.5528, 0.3099,
0.3849


146.6214, 0.3109,
0.3715

 49.5340, 0.3093,
0.3914


182.5964, 0.3111,
0.3684

 35.0432, 0.3086,
0.3997


224.0214, 0.3113,
0.3657

 23.6962, 0.3074,
0.4105

271.2809, 0.3114,
0.3633

 15.1084, 0.3058,
0.4250

324.7592, 0.3115,
0.3612

 8.8955, 0.3030,
0.4458

384.8407, 0.3116,

 4.6731, 0.2978,

0.3594

0.4777

451.9098, 0.3117,
0.3577

■ 2.0568, 0.2888,
0.5361

■ 0.6401, 0.0474,
0.9526

■ 89.4840, 0.3103,
0.3796

■ 89.4840, 0.3103,
0.3796

■ 84.9200, 0.3088,
0.4119

■ 94.8296, 0.3117,
0.3507


■ 81.1202, 0.3071,
0.4469


100.0000, 0.3127,
0.3290


■ 78.0369, 0.3054,
0.4831

■ 75.6250, 0.3037,
0.5184

 73.8347, 0.3023,
0.5500

 72.6089, 0.3011,
0.5749

 71.8804, 0.3004,
0.5913

 71.5549, 0.3000,
0.5991

 71.5208, 0.3000,
0.5999

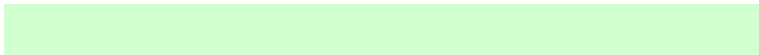
Harmonies

Analogous

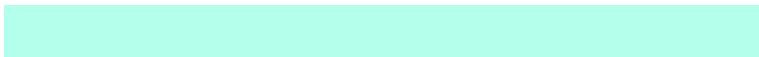
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4840, 0.3430, 0.3884



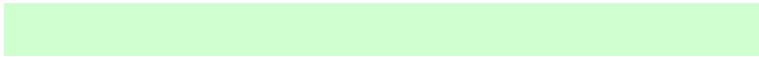
89.4840, 0.3103, 0.3796



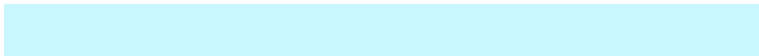
89.4840, 0.2794, 0.3547

Triad

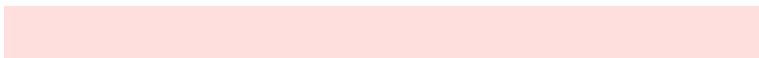
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.4840, 0.3103, 0.3796



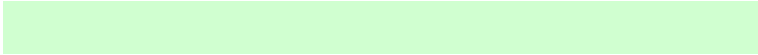
89.4840, 0.2588, 0.2782



89.4840, 0.3704, 0.3308

Complementary

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



89.4840, 0.3103, 0.3796



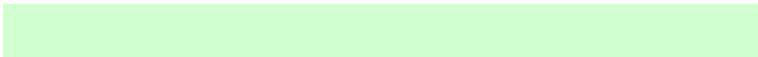
73.5616, 0.3149, 0.2831

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.



89.4840, 0.3456, 0.3047



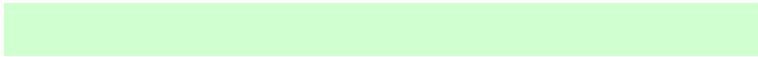
89.4840, 0.3103, 0.3796



89.4840, 0.2808, 0.2750

Square

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



89.4840, 0.3103, 0.3796



89.4840, 0.2507, 0.2950



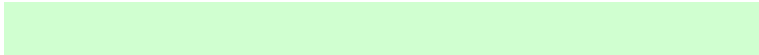
89.4840, 0.3124, 0.2847



89.4840, 0.3788, 0.3579

Rectangle

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



89.4840, 0.3103, 0.3796



89.4840, 0.2637, 0.3335



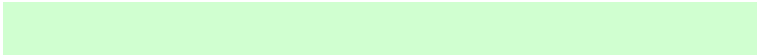
89.4840, 0.3124, 0.2847



89.4840, 0.3637, 0.3217

Sweetspot

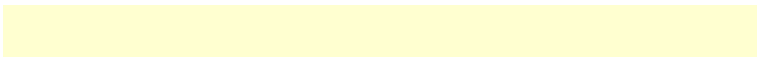
The Sweet Spot groups the original color and five complimentary colors.



89.4771, 0.3103, 0.3796



96.2676, 0.3120, 0.3441



97.3315, 0.3406, 0.3751



20.5222, 0.3119, 0.3458



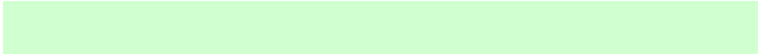
0.0000, 0.0000, 0.0000



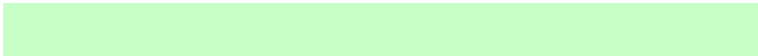
21.4041, 0.3127, 0.3290

Same Dimension

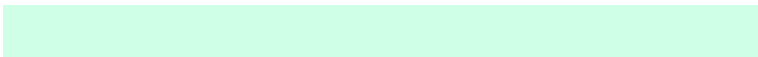
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.4771, 0.3103, 0.3796



87.7711, 0.3098, 0.3907



90.7186, 0.2974, 0.3538



20.1686, 0.3115, 0.3535



37.3714, 0.3000, 0.5999



3.6389, 0.2999, 0.5997

Inverse Universe

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



73.5616, 0.3149, 0.2831



69.2755, 0.3153, 0.2742



72.1424, 0.3314, 0.3055



18.2999, 0.3138, 0.3056



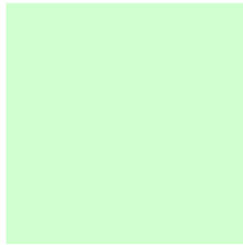
14.8690, 0.3213, 0.1544



1.4479, 0.3212, 0.1543

Previews

White Background



This preview shows how the Yxy color 89.4840, 0.3103, 0.3796 looks on a white background.

Color Contrast Check

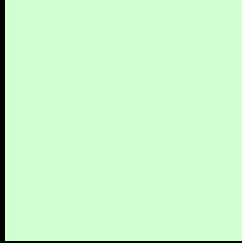
Large Text (above 18pt) WCAG AA × Fail

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 89.4840, 0.3103, 0.3796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

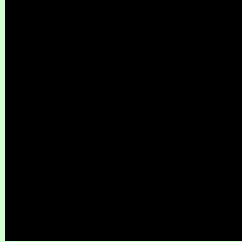
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

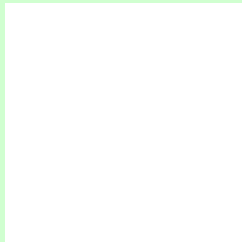
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.4840, 0.3103, 0.3796

Background



This preview shows how black text looks on a background with the Yxy color 89.4840, 0.3103, 0.3796.

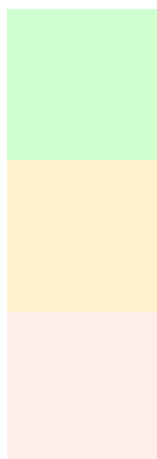


This preview shows how white text looks on a background with the Yxy color 89.4840, 0.3103, 0.3796.

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

89.4840, 0.3103, 0.3796

Protanopia

89.1239, 0.3453, 0.3669

Deuteranopia

88.8192, 0.3278, 0.3359



Tritanopia

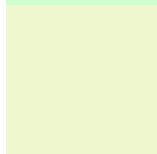
89.3478, 0.2975, 0.3189

Trichromacy



Original Color

89.4840, 0.3103, 0.3796



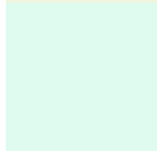
Protanomaly

89.1064, 0.3322, 0.3722



Deuteranomaly

88.8097, 0.3214, 0.3514



Tritanomaly

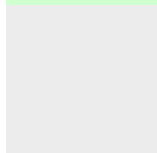
89.4540, 0.3022, 0.3403

Monochromacy



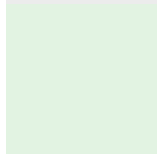
Original Color

89.4840, 0.3103, 0.3796



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.7609, 0.3119, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.4840, 0.3103, 0.3796 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, 208)` looks like.

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

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, 208) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 89.4840, 0.3103, 0.3796 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, 208) }
```

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

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

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, 208)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 89.4840, 0.3103, 0.3796 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, 208) }
```

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

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

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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