

Converting Colors

$Y_{xy}(109.7315, 0.3026, 0.3961)$

Have a look what the booklet for
Yxy(109.7315, 0.3026, 0.3961)
contains.

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Color

Yxy(89.6136, 0.3024, 0.3676)

Conversions

Conversions Part 1

Format	Color
Hex	CDFFDB
RGB	205, 255, 219
RGB Percent	80%, 100%, 86%
CMY	0.1962, 0.0000, 0.1411
CMYK	0.20, 0.00, 0.14, 0.00
HSL	137°, 100%, 90%
HSV	137°, 20%, 100%
XYZ	73.7191, 89.6136, 80.4475
YIQ	235.9460, -18.2440, -21.7960

Conversions

Conversions Part 2

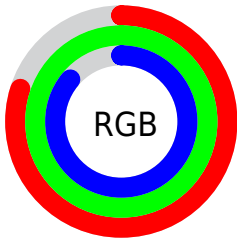
Format	Color
RYB	205, 244, 255
Decimal	13500379
CIELab	95.84, -22.66, 12.01
CIElCh	96, 25.648, 152.067
Yxy	89.6136, 0.3024, 0.3676
Android (android.graphics.Color)	4291690459 (0xFFCDDFFDB)
YUV	235.9460, -8.3544, -27.1396
Hunter-Lab	94.6645, -26.6575, 15.8795

Details

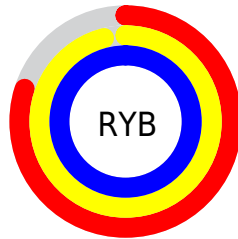
The Yxy color **89.6136, 0.3024, 0.3676** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.2554, 0.3249, 0.2933**, and the grayscale version is **83.9072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.5525, 0.2999, 0.3764** is the 20% darker color. If you saturate the color by 10%, you get **85.3624, 0.2974, 0.3908**, and if you desaturate by 10%, it is **94.5564, 0.3076, 0.3468**.

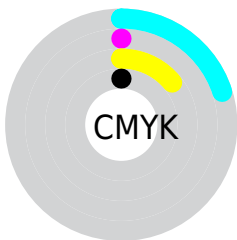
Distribution



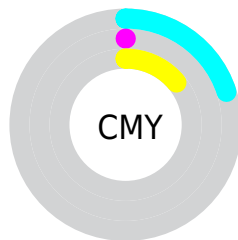
- Red (80%)
- Green (100%)
- Blue (86%)



- Red (80%)
- Yellow (96%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.6136, 0.3024, 0.3676 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 89.6136, 0.3024, 0.3676 by changing the saturation by 10% instead.


 89.6136, 0.3024,
0.3676

 89.6136, 0.3024,
0.3676


526.7731, 0.3072,
0.3499

 67.6602, 0.3013,
0.3716

146.8016, 0.3041,
0.3615

 49.6214, 0.2999,
0.3765


182.8049, 0.3047,
0.3591

 35.1126, 0.2981,
0.3828


224.2604, 0.3053,
0.3570

 23.7496, 0.2958,
0.3909

271.5523, 0.3058,
0.3552

 15.1480, 0.2925,
0.4018

325.0652, 0.3062,
0.3537

 8.9233, 0.2879,
0.4174

385.1833, 0.3066,

 4.6912, 0.2804,

0.3523

0.4414

452.2912, 0.3069,
0.3510

■ 2.0672, 0.2669,
0.4826

■ 0.6461, 0.0862,
0.9138

■ 89.6136, 0.3024,
0.3676

■ 89.6136, 0.3024,
0.3676

■ 85.3624, 0.2974,
0.3908

■ 94.5564, 0.3076,
0.3468

■ 81.7793, 0.2929,
0.4161

100.0000, 0.3127,
0.3290

■ 78.8269, 0.2891,
0.4431

■ 76.4674, 0.2865,
0.4710

■ 74.6590, 0.2853,
0.4986

■ 73.3538, 0.2856,
0.5246

■ 72.4958, 0.2876,
0.5476

■ 71.9987, 0.2908,
0.5665

■ 71.9834, 0.2909,
0.5671

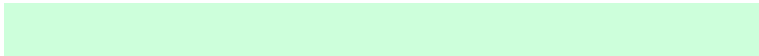
Harmonies

Analogous

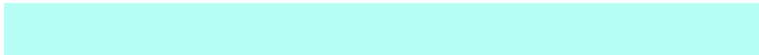
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6136, 0.3313, 0.3798



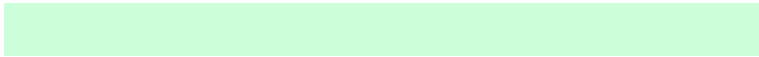
89.6136, 0.3024, 0.3676



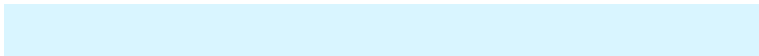
89.6136, 0.2771, 0.3435

Triad

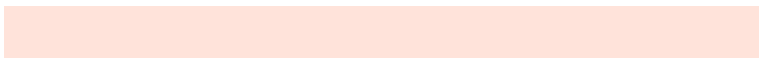
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.6136, 0.3024, 0.3676



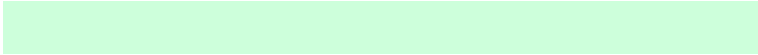
89.6136, 0.2701, 0.2825



89.6136, 0.3667, 0.3380

Complementary

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



89.6136, 0.3024, 0.3676



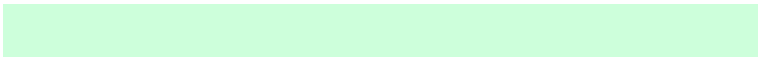
71.2554, 0.3249, 0.2933

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.



89.6136, 0.3488, 0.3141



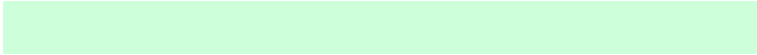
89.6136, 0.3024, 0.3676



89.6136, 0.2924, 0.2830

Square

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



89.6136, 0.3024, 0.3676



89.6136, 0.2591, 0.2941



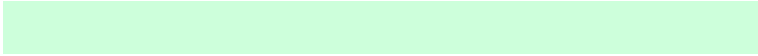
89.6136, 0.3212, 0.2944



89.6136, 0.3692, 0.3608

Rectangle

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



89.6136, 0.3024, 0.3676



89.6136, 0.2654, 0.3250



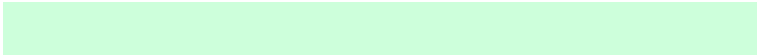
89.6136, 0.3212, 0.2944



89.6136, 0.3622, 0.3298

Sweetspot

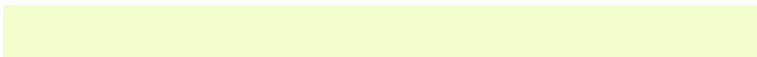
The Sweet Spot groups the original color and five complimentary colors.



89.6107, 0.3024, 0.3676



96.5244, 0.3096, 0.3398



94.7432, 0.3336, 0.3795



20.5827, 0.3092, 0.3411



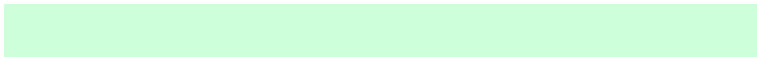
0.0000, 0.0000, 0.0000



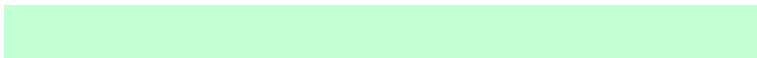
21.4041, 0.3127, 0.3290

Same Dimension

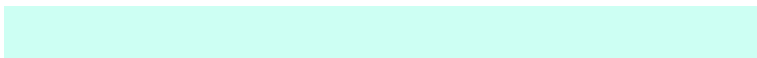
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6107, 0.3024, 0.3676



87.6659, 0.3002, 0.3775



90.9856, 0.2893, 0.3412



20.2521, 0.3077, 0.3466



37.6347, 0.2901, 0.5644



3.6820, 0.2840, 0.5425

Inverse Universe

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



71.2554, 0.3249, 0.2933



65.9161, 0.3282, 0.2850



69.8992, 0.3428, 0.3172



18.2082, 0.3181, 0.3121



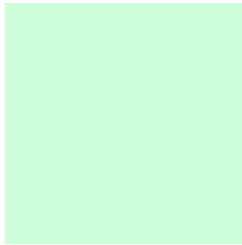
12.9296, 0.4078, 0.2020



1.2776, 0.3955, 0.1952

Previews

White Background



This preview shows how the Yxy color 89.6136, 0.3024, 0.3676 looks on a white background.

Color Contrast Check

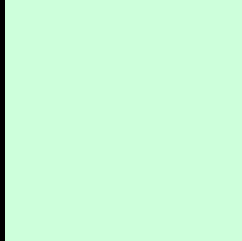
Large Text (above 18pt) WCAG AA × Fail

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 89.6136, 0.3024, 0.3676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

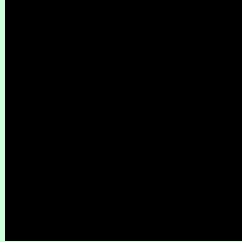
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

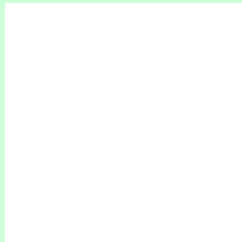
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.6136, 0.3024, 0.3676

Background



This preview shows how black text looks on a background with the Yxy color 89.6136, 0.3024, 0.3676.

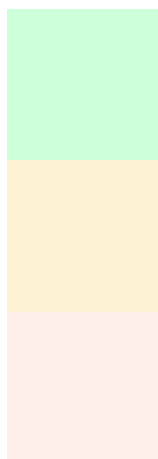


This preview shows how white text looks on a background with the Yxy color 89.6136, 0.3024, 0.3676.

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

89.6136, 0.3024, 0.3676

Protanopia

89.3286, 0.3395, 0.3589

Deuteranopia

88.9912, 0.3259, 0.3330



Tritanopia

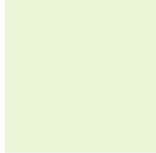
89.1828, 0.2969, 0.3189

Trichromacy



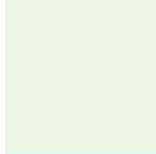
Original Color

89.6136, 0.3024, 0.3676



Protanomaly

89.2607, 0.3248, 0.3619



Deuteranomaly

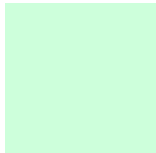
88.9665, 0.3171, 0.3453



Tritanomaly

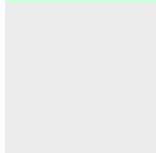
89.3778, 0.2987, 0.3362

Monochromacy



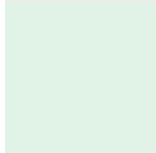
Original Color

89.6136, 0.3024, 0.3676



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.8219, 0.3089, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6136, 0.3024, 0.3676 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(205, 255, 219)` looks like.

```
.text, #text, p{  
    color:rgb(205, 255, 219)  
}
```

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(205, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 255, 219) }
```

Border

The CSS property to change the border of an element to Yxy 89.6136, 0.3024, 0.3676 is called "border". The border property can be set on classes, ids or directly on the HTML element.

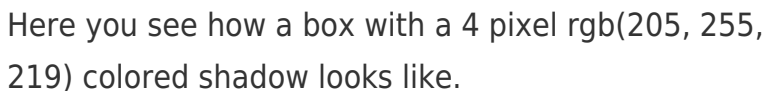
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 255, 219) }
```

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

```
.border{ border-color:rgb(205, 255, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 255, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 255, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 255, 219); box-shadow:4px 4px 4px 4px rgb(205, 255, 219) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6136, 0.3024, 0.3676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 255, 219) }
```

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

```
.background{ background-color: rgb(205,  
255, 219) }
```

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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