

Converting Colors

Yxy(89.6332, 0.3049, 0.3710)

Have a look what the booklet for
Yxy(89.6332, 0.3049, 0.3710)
contains.

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Color

Yxy(89.5997, 0.3047, 0.3709)

Conversions

Conversions Part 1

Format	Color
Hex	CEFFD8
RGB	206, 255, 216
RGB Percent	81%, 100%, 85%
CMY	0.1921, 0.0000, 0.1530
CMYK	0.19, 0.00, 0.15, 0.00
HSL	132°, 100%, 90%
HSV	132°, 19%, 100%
XYZ	73.6075, 89.5997, 78.3665
YIQ	235.9030, -16.6850, -22.5170

Conversions

Conversions Part 2

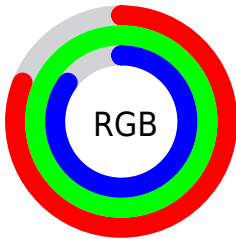
Format	Color
RYB	206, 247, 255
Decimal	13565912
CIELab	95.83, -22.87, 13.58
CIElCh	96, 26.594, 149.301
Yxy	89.5997, 0.3047, 0.3709
Android (android.graphics.Color)	4291755992 (0xFFCEFFD8)
YUV	235.9030, -9.8122, -26.2249
Hunter-Lab	94.6571, -26.8443, 17.1739

Details

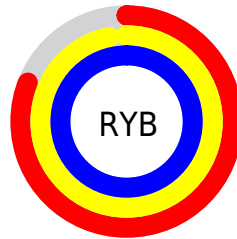
The Yxy color **89.5997, 0.3047, 0.3709** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.0009, 0.3219, 0.2904**, and the grayscale version is **83.8883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.5407, 0.3027, 0.3807** is the 20% darker color. If you saturate the color by 10%, you get **85.2550, 0.3006, 0.3966**, and if you desaturate by 10%, it is **94.6667, 0.3089, 0.3478**.

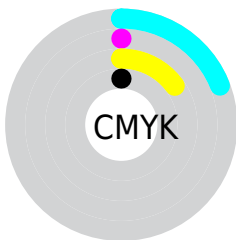
Distribution



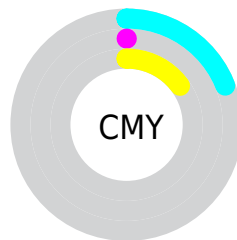
- Red (81%)
- Green (100%)
- Blue (85%)



- Red (81%)
- Yellow (97%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (19%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.5997, 0.3047, 0.3709 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 89.5997, 0.3047, 0.3709 by changing the saturation by 10% instead.


 89.5997, 0.3047,
0.3709

 89.5997, 0.3047,
0.3709


526.7278, 0.3086,
0.3516

 67.6487, 0.3038,
0.3753

146.7822, 0.3061,
0.3642

 49.6120, 0.3026,
0.3806

182.7825, 0.3066,
0.3617

 35.1052, 0.3012,
0.3874


224.2347, 0.3070,
0.3594

 23.7439, 0.2992,
0.3963

271.5232, 0.3074,
0.3575

 15.1438, 0.2964,
0.4082

325.0324, 0.3078,
0.3557

 8.9203, 0.2923,
0.4252

385.1466, 0.3081,

 4.6893, 0.2857,

0.3542

0.4514

452.2503, 0.3083,
0.3529

■ 2.0661, 0.2731,
0.4965

■ 0.6455, 0.0789,
0.9211

■ 89.5997, 0.3047,
0.3709

■ 89.5997, 0.3047,
0.3709

■ 85.2550, 0.3006,
0.3966

■ 94.6667, 0.3089,
0.3478

■ 81.5988, 0.2969,
0.4247

100.0000, 0.3127,
0.3290

■ 78.5954, 0.2938,
0.4545

■ 76.2056, 0.2916,
0.4849

■ 74.3861, 0.2905,
0.5145

■ 73.0875, 0.2908,
0.5414

■ 72.2519, 0.2923,
0.5639

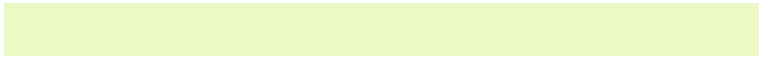
■ 71.7947, 0.2948,
0.5809

■ 71.7671, 0.2950,
0.5820

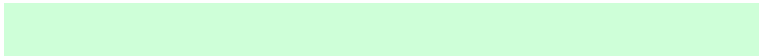
Harmonies

Analogous

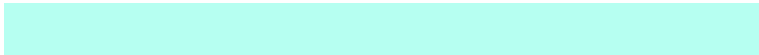
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5997, 0.3346, 0.3821



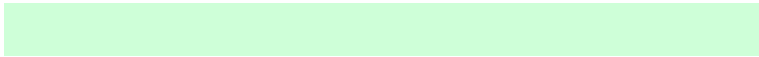
89.5997, 0.3047, 0.3709



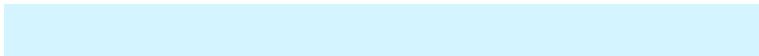
89.5997, 0.2779, 0.3466

Triad

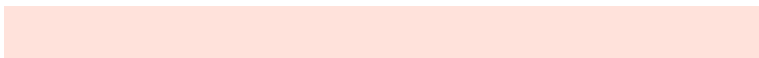
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.5997, 0.3047, 0.3709



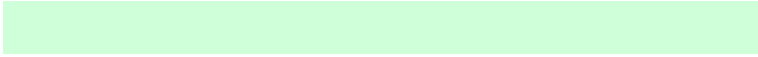
89.5997, 0.2670, 0.2815



89.5997, 0.3676, 0.3359

Complementary

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



89.5997, 0.3047, 0.3709



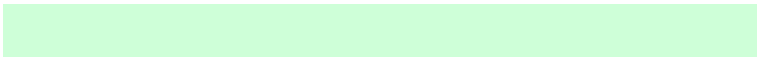
72.0009, 0.3219, 0.2904

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.



89.5997, 0.3478, 0.3114



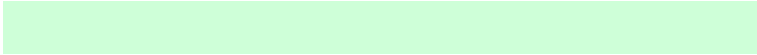
89.5997, 0.3047, 0.3709



89.5997, 0.2892, 0.2809

Square

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



89.5997, 0.3047, 0.3709



89.5997, 0.2569, 0.2944



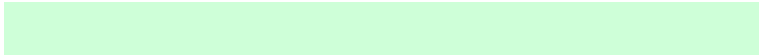
89.5997, 0.3187, 0.2917



89.5997, 0.3718, 0.3599

Rectangle

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



89.5997, 0.3047, 0.3709



89.5997, 0.2651, 0.3274



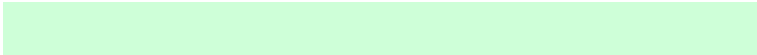
89.5997, 0.3187, 0.2917



89.5997, 0.3625, 0.3275

Sweetspot

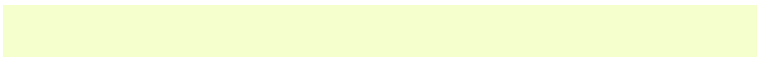
The Sweet Spot groups the original color and five complimentary colors.



89.5999, 0.3047, 0.3709



96.4527, 0.3102, 0.3410



95.4254, 0.3353, 0.3781



20.5658, 0.3100, 0.3424



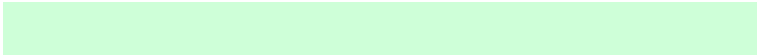
0.0000, 0.0000, 0.0000



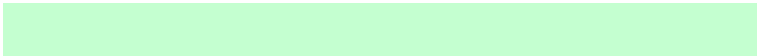
21.4041, 0.3127, 0.3290

Same Dimension

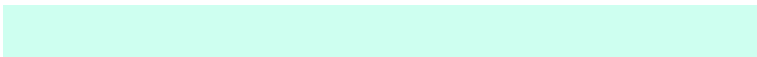
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5999, 0.3047, 0.3709



87.8711, 0.3031, 0.3803



90.9523, 0.2915, 0.3444



20.2286, 0.3088, 0.3485



37.5168, 0.2944, 0.5797



3.6677, 0.2889, 0.5601

Inverse Universe

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



72.0009, 0.3219, 0.2904



67.3727, 0.3240, 0.2826



70.6115, 0.3396, 0.3142



18.2333, 0.3169, 0.3103



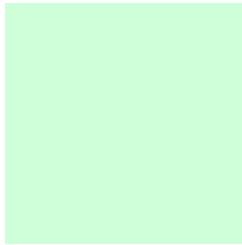
13.3863, 0.3804, 0.1869



1.3186, 0.3723, 0.1824

Previews

White Background



This preview shows how the Yxy color 89.5997, 0.3047, 0.3709 looks on a white background.

Color Contrast Check

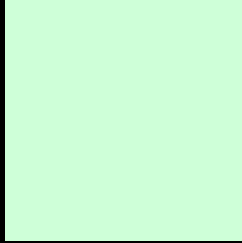
Large Text (above 18pt) WCAG AA × Fail

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 89.5997, 0.3047, 0.3709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

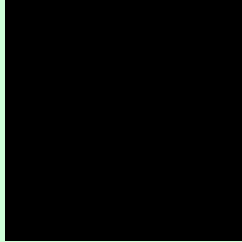
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

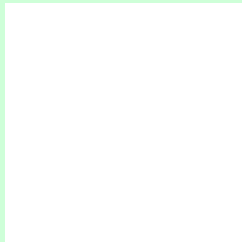
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.5997, 0.3047, 0.3709

Background



This preview shows how black text looks on a background with the Yxy color 89.5997, 0.3047, 0.3709.

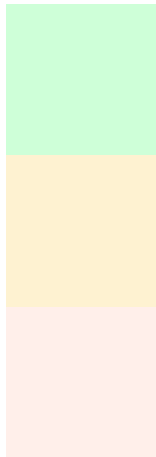


This preview shows how white text looks on a background with the Yxy color 89.5997, 0.3047, 0.3709.

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

89.5997, 0.3047, 0.3709

Protanopia

89.1785, 0.3414, 0.3619

Deuteranopia

88.9335, 0.3265, 0.3339



Tritanopia

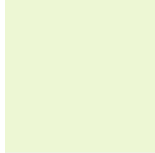
89.3478, 0.2975, 0.3189

Trichromacy



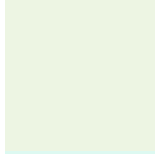
Original Color

89.5997, 0.3047, 0.3709



Protanomaly

89.2795, 0.3273, 0.3649



Deuteranomaly

88.8554, 0.3183, 0.3473



Tritanomaly

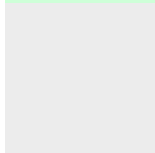
89.4744, 0.2999, 0.3372

Monochromacy



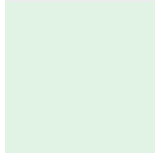
Original Color

89.5997, 0.3047, 0.3709



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.7659, 0.3094, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5997, 0.3047, 0.3709 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(206, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 216)  
}
```

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(206, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 216) }
```

Border

The CSS property to change the border of an element to Yxy 89.5997, 0.3047, 0.3709 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(206, 255, 216) }
```

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

```
.border{ border-color:rgb(206, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5997, 0.3047, 0.3709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 216) }
```

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

```
.background{ background-color: rgb(206,  
255, 216) }
```

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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