

Converting Colors

$Y_{xy}(100.0000, 0.3027, 0.3855)$

Have a look what the booklet for
Yxy(100.0000, 0.3027, 0.3855)
contains.

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Color

Yxy(89.3671, 0.3029, 0.3699)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFD9
RGB	204, 255, 217
RGB Percent	80%, 100%, 85%
CMY	0.2001, 0.0000, 0.1489
CMYK	0.20, 0.00, 0.15, 0.00
HSL	135°, 100%, 90%
HSV	135°, 20%, 100%
XYZ	73.1800, 89.3671, 79.0509
YIQ	235.4190, -18.1980, -22.6300

Conversions

Conversions Part 2

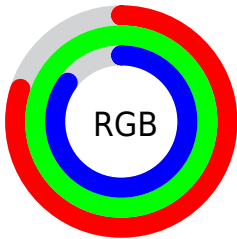
Format	Color
R _Y B	204, 245, 255
Decimal	13434841
CIE Lab	95.73, -23.34, 12.89
CIE LCh	96, 26.663, 151.090
Yxy	89.3671, 0.3029, 0.3699
Android (android.graphics.Color)	4291624921 (0xFFCCFFD9)
YUV	235.4190, -9.0806, -27.5545
Hunter-Lab	94.5342, -27.2558, 16.5948

Details

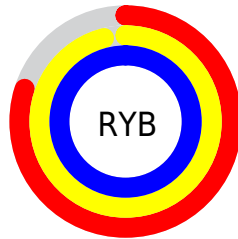
The Yxy color **89.3671, 0.3029, 0.3699** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.8349, 0.3242, 0.2913**, and the grayscale version is **83.4866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3864, 0.3005, 0.3795** is the 20% darker color. If you saturate the color by 10%, you get **85.1190, 0.2982, 0.3940**, and if you desaturate by 10%, it is **94.3100, 0.3078, 0.3482**.

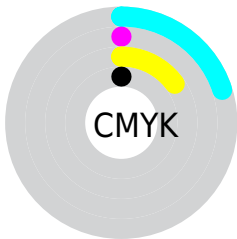
Distribution



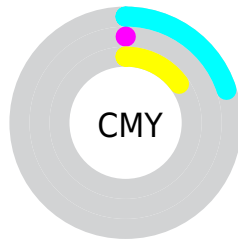
- Red (80%)
- Green (100%)
- Blue (85%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.3671, 0.3029, 0.3699 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 89.3671, 0.3029, 0.3699 by changing the saturation by 10% instead.


 89.3671, 0.3029,
0.3699

 89.3671, 0.3029,
0.3699


525.9699, 0.3076,
0.3511

 67.4558, 0.3018,
0.3742


146.4590, 0.3045,
0.3634

 49.4552, 0.3005,
0.3794


182.4083, 0.3052,
0.3609

 34.9807, 0.2987,
0.3861


223.8059, 0.3057,
0.3587

 23.6480, 0.2964,
0.3947

271.0360, 0.3062,
0.3568

 15.0727, 0.2933,
0.4064

324.4831, 0.3066,
0.3551

 8.8704, 0.2886,
0.4230

384.5315, 0.3069,

 4.6568, 0.2811,

0.3536

0.4487

451.5656, 0.3073,
0.3523

■ 2.0473, 0.2673,
0.4930

■ 0.6347, 0.0502,
0.9498

■ 89.3671, 0.3029,
0.3699

■ 89.3671, 0.3029,
0.3699

■ 85.1190, 0.2982,
0.3940

■ 94.3100, 0.3078,
0.3482


■ 81.5461, 0.2940,
0.4203


99.9909, 0.3127,
0.3290


■ 78.6089, 0.2905,
0.4483


100.0000, 0.3127,
0.3290

■ 76.2692, 0.2881,
0.4771

 74.4842, 0.2870,
0.5054

 73.2055, 0.2874,
0.5316

 72.3757, 0.2894,
0.5543

 71.9045, 0.2923,
0.5725

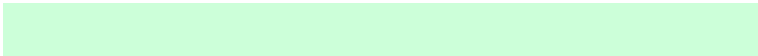
Harmonies

Analogous

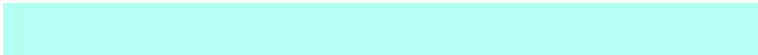
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3671, 0.3329, 0.3821



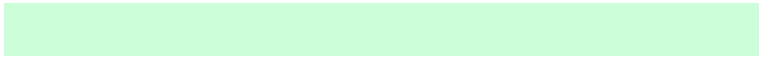
89.3671, 0.3029, 0.3699



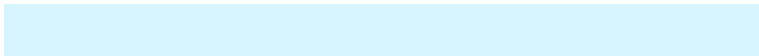
89.3671, 0.2764, 0.3450

Triad

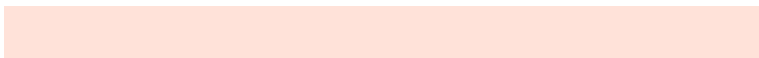
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.3671, 0.3029, 0.3699



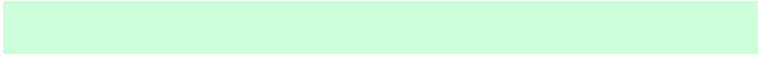
89.3671, 0.2678, 0.2809



89.3671, 0.3685, 0.3374

Complementary

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



89.3671, 0.3029, 0.3699



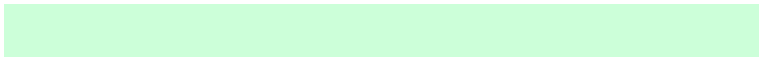
70.8349, 0.3242, 0.2913

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.



89.3671, 0.3494, 0.3127



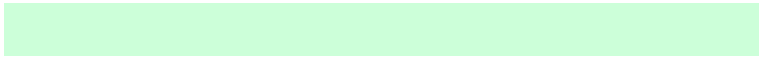
89.3671, 0.3029, 0.3699



89.3671, 0.2907, 0.2811

Square

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



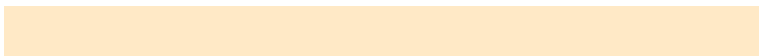
89.3671, 0.3029, 0.3699



89.3671, 0.2569, 0.2932



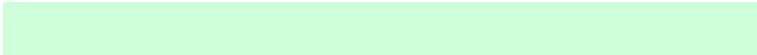
89.3671, 0.3205, 0.2926



89.3671, 0.3717, 0.3613

Rectangle

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



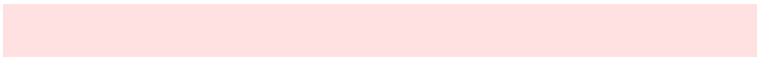
89.3671, 0.3029, 0.3699



89.3671, 0.2640, 0.3257



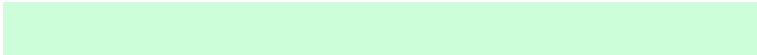
89.3671, 0.3205, 0.2926



89.3671, 0.3637, 0.3290

Sweetspot

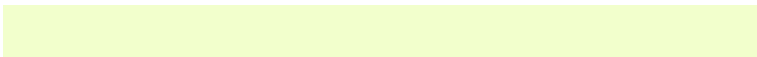
The Sweet Spot groups the original color and five complimentary colors.



89.3628, 0.3029, 0.3699



96.5011, 0.3098, 0.3402



94.7976, 0.3345, 0.3805



20.5772, 0.3094, 0.3415



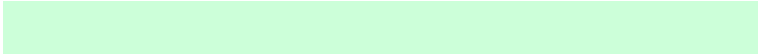
0.0000, 0.0000, 0.0000



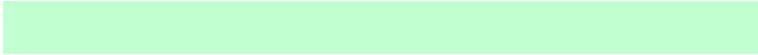
21.4041, 0.3127, 0.3290

Same Dimension

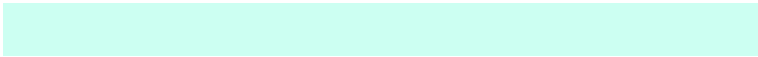
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.3628, 0.3029, 0.3699



87.5891, 0.3010, 0.3792



90.7772, 0.2893, 0.3423



20.2444, 0.3080, 0.3472



37.5919, 0.2916, 0.5698



3.6770, 0.2857, 0.5485

Inverse Universe

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



70.8349, 0.3242, 0.2913



66.0068, 0.3270, 0.2836



69.4228, 0.3429, 0.3161



18.2163, 0.3177, 0.3115



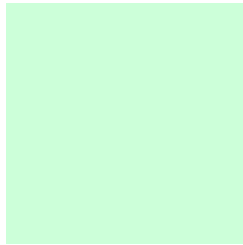
13.0713, 0.3986, 0.1969



1.2904, 0.3877, 0.1910

Previews

White Background



This preview shows how the Yxy color 89.3671, 0.3029, 0.3699 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 89.3671, 0.3029, 0.3699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

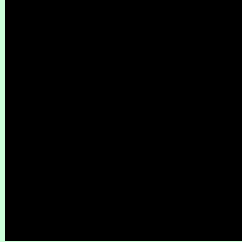
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

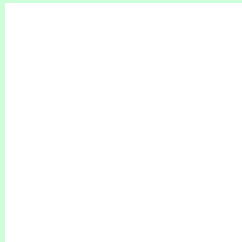
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.3671, 0.3029, 0.3699

Background



This preview shows how black text looks on a background with the Yxy color 89.3671, 0.3029, 0.3699.

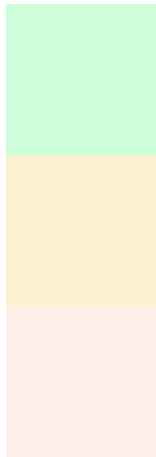


This preview shows how white text looks on a background with the Yxy color 89.3671, 0.3029, 0.3699.

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

89.3671, 0.3029, 0.3699

Protanopia

88.6346, 0.3410, 0.3599

Deuteranopia

88.9335, 0.3265, 0.3339



Tritanopia

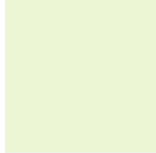
89.0188, 0.2962, 0.3189

Trichromacy



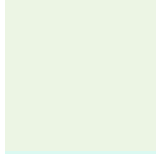
Original Color

89.3671, 0.3029, 0.3699



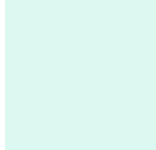
Protanomaly

88.5485, 0.3261, 0.3630



Deuteranomaly

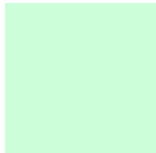
88.7391, 0.3171, 0.3463



Tritanomaly

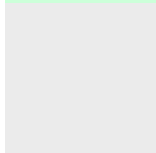
89.1623, 0.2987, 0.3372

Monochromacy



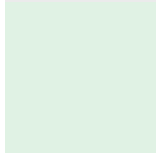
Original Color

89.3671, 0.3029, 0.3699



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.9530, 0.3094, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.3671, 0.3029, 0.3699 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 217) }
```

Border

The CSS property to change the border of an element to Yxy 89.3671, 0.3029, 0.3699 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, 217) }
```

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

```
.border{ border-color:rgb(204, 255, 217) }
```

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, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 89.3671, 0.3029, 0.3699 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, 217) }
```

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

```
.background{ background-color: rgb(204,  
255, 217) }
```

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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