

Converting Colors

$Yxy(89.4445, 0.2979, 0.3623)$

Have a look what the booklet for
Yxy(89.4445, 0.2979, 0.3623)
contains.

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Color

Yxy(89.4584, 0.2979, 0.3623)

Conversions

Conversions Part 1

Format	Color
Hex	CAFFE0
RGB	202, 255, 224
RGB Percent	79%, 100%, 88%
CMY	0.2081, 0.0000, 0.1216
CMYK	0.21, 0.00, 0.12, 0.00
HSL	145°, 100%, 90%
HSV	145°, 21%, 100%
XYZ	73.5569, 89.4584, 83.9027
YIQ	235.6190, -21.6370, -20.8770

Conversions

Conversions Part 2

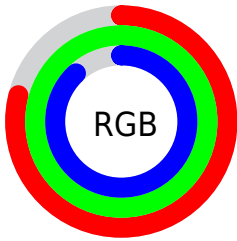
Format	Color
R _Y B	202, 239, 255
Decimal	13303776
CIE Lab	95.77, -22.72, 9.35
CIE LCh	96, 24.568, 157.629
Yxy	89.4584, 0.2979, 0.3623
Android (android.graphics.Color)	4291493856 (0xFFCAFFE0)
YUV	235.6190, -5.7282, -29.4839
Hunter-Lab	94.5825, -26.6996, 13.6124

Details

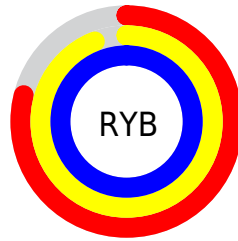
The Yxy color **89.4584, 0.2979, 0.3623** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.3505, 0.3310, 0.2979**, and the grayscale version is **83.6139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.4558, 0.2943, 0.3695** is the 20% darker color. If you saturate the color by 10%, you get **85.4087, 0.2913, 0.3811**, and if you desaturate by 10%, it is **94.1473, 0.3049, 0.3453**.

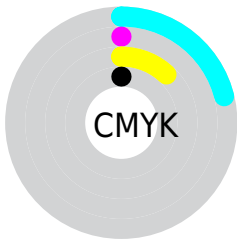
Distribution



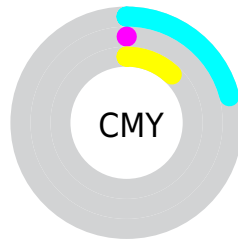
- Red (79%)
- Green (100%)
- Blue (88%)



- Red (79%)
- Yellow (94%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.4584, 0.2979, 0.3623 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 89.4584, 0.2979, 0.3623 by changing the saturation by 10% instead.


 89.4584, 0.2979,
0.3623

 89.4584, 0.2979,
0.3623


526.2675, 0.3047,
0.3471

 67.5315, 0.2964,
0.3657


146.5859, 0.3002,
0.3570

 49.5167, 0.2945,
0.3700

182.5552, 0.3012,
0.3550

 35.0295, 0.2921,
0.3753


223.9742, 0.3020,
0.3532

 23.6856, 0.2890,
0.3822

271.2273, 0.3026,
0.3517

 15.1006, 0.2848,
0.3916

324.6987, 0.3032,
0.3503

 8.8900, 0.2788,
0.4049

384.7730, 0.3038,

 4.6695, 0.2697,

0.3491

451.8344, 0.3043,
0.3480

0.4252

2.0547, 0.2539,
0.4603

0.6390, 0.0718,
0.8710

89.4584, 0.2979,
0.3623

89.4584, 0.2979,
0.3623

85.4087, 0.2913,
0.3811

94.1473, 0.3049,
0.3453

81.9965, 0.2854,
0.4016

99.5329, 0.3121,
0.3301

79.1790, 0.2805,
0.4235

100.0000, 0.3127,
0.3290

76.9198, 0.2771,
0.4464

■ 75.1785, 0.2754,
0.4696

■ 73.9088, 0.2755,
0.4923

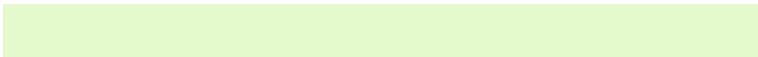
■ 73.0556, 0.2777,
0.5136

■ 72.5603, 0.2810,
0.5314

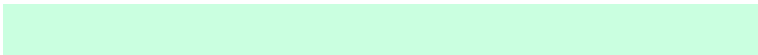
Harmonies

Analogous

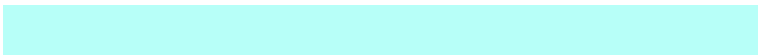
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4584, 0.3255, 0.3766



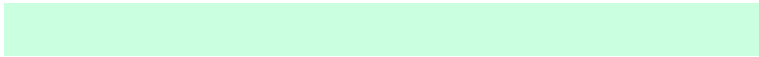
89.4584, 0.2979, 0.3623



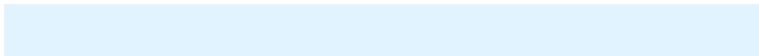
89.4584, 0.2750, 0.3380

Triad

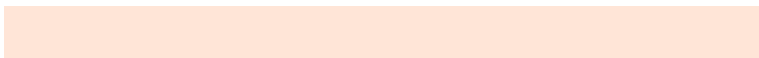
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.4584, 0.2979, 0.3623



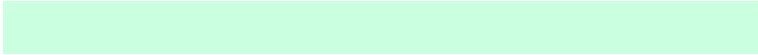
89.4584, 0.2751, 0.2836



89.4584, 0.3660, 0.3420

Complementary

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



89.4584, 0.2979, 0.3623



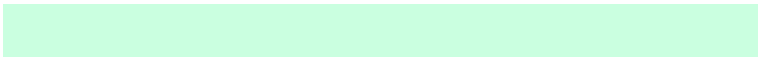
69.3505, 0.3310, 0.2979

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.



89.4584, 0.3513, 0.3188



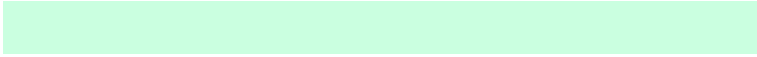
89.4584, 0.2979, 0.3623



89.4584, 0.2981, 0.2861

Square

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



89.4584, 0.2979, 0.3623



89.4584, 0.2623, 0.2926



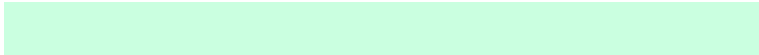
89.4584, 0.3261, 0.2988



89.4584, 0.3656, 0.3631

Rectangle

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



89.4584, 0.2979, 0.3623



89.4584, 0.2651, 0.3204



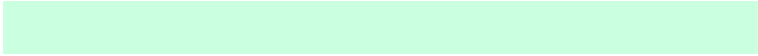
89.4584, 0.3261, 0.2988



89.4584, 0.3627, 0.3342

Sweetspot

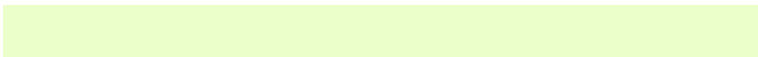
The Sweet Spot groups the original color and five complimentary colors.



89.4487, 0.2979, 0.3623



96.6502, 0.3084, 0.3378



93.2354, 0.3302, 0.3835



20.6124, 0.3079, 0.3388



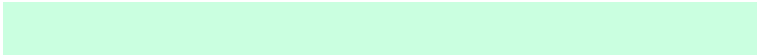
0.0000, 0.0000, 0.0000



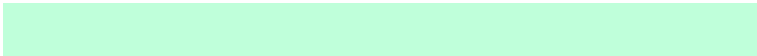
21.4041, 0.3127, 0.3290

Same Dimension

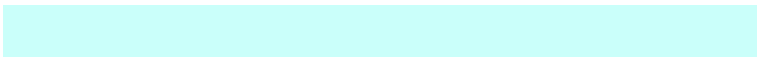
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.4487, 0.2979, 0.3623



87.6775, 0.2951, 0.3699



90.9504, 0.2843, 0.3345



20.2934, 0.3059, 0.3432



37.9424, 0.2801, 0.5284



3.7155, 0.2739, 0.5059

Inverse Universe

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



69.3505, 0.3310, 0.2979



64.2602, 0.3356, 0.2914



67.9872, 0.3506, 0.3237



18.1652, 0.3202, 0.3152



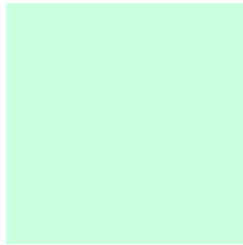
12.2734, 0.4609, 0.2313



1.2168, 0.4405, 0.2200

Previews

White Background



This preview shows how the Yxy color 89.4584, 0.2979, 0.3623 looks on a white background.

Color Contrast Check

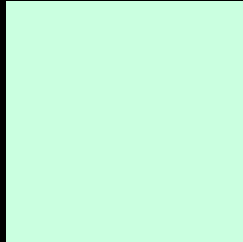
Large Text (above 18pt) WCAG AA × Fail

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 89.4584, 0.2979, 0.3623 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

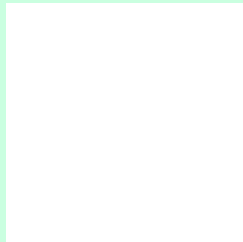
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.4584, 0.2979, 0.3623

Background



This preview shows how black text looks on a background with the Yxy color 89.4584, 0.2979, 0.3623.

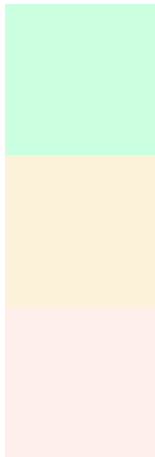


This preview shows how white text looks on a background with the Yxy color 89.4584, 0.2979, 0.3623.

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

89.4584, 0.2979, 0.3623

Protanopia

88.6158, 0.3351, 0.3530

Deuteranopia

89.0491, 0.3253, 0.3320



Tritanopia

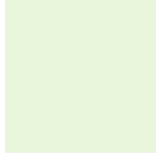
89.0188, 0.2962, 0.3189

Trichromacy



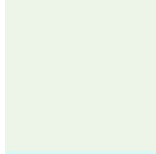
Original Color

89.4584, 0.2979, 0.3623



Protanomaly

88.5713, 0.3205, 0.3557



Deuteranomaly

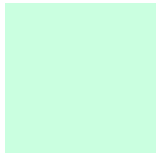
88.9639, 0.3147, 0.3422



Tritanomaly

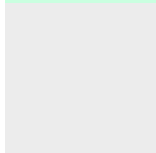
89.3431, 0.2970, 0.3341

Monochromacy



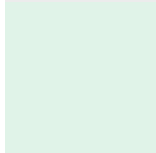
Original Color

89.4584, 0.2979, 0.3623



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.7747, 0.3070, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.4584, 0.2979, 0.3623 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(202, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 224)  
}
```

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(202, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 224) }
```

Border

The CSS property to change the border of an element to Yxy 89.4584, 0.2979, 0.3623 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(202, 255, 224) }
```

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

```
.border{ border-color:rgb(202, 255, 224) }
```

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

Here you see how a box with a 4 pixel rgb(202, 255, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 89.4584, 0.2979, 0.3623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 224) }
```

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

```
.background{ background-color: rgb(202,  
255, 224) }
```

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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