

Converting Colors

$Yxy(89.9599, 0.2969, 0.3577)$

Have a look what the booklet for
Yxy(89.9599, 0.2969, 0.3577)
contains.

Yxy(89.9588, 0.2969, 0.3578)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(89.9588, 0.2969, 0.3578)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFE4
RGB	204, 255, 228
RGB Percent	80%, 100%, 89%
CMY	0.2003, 0.0000, 0.1059
CMYK	0.20, 0.00, 0.11, 0.00
HSL	148°, 100%, 90%
HSV	148°, 20%, 100%
XYZ	74.6472, 89.9588, 86.8160
YIQ	236.6730, -21.7290, -19.2090

Conversions

Conversions Part 2

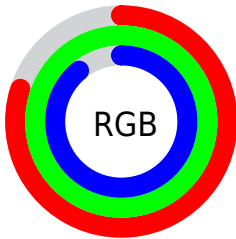
Format	Color
R_{YB}	204, 239, 255
Decimal	13434852
CIE _{Lab}	95.98, -21.36, 7.61
CIE _{LCh}	96, 22.674, 160.386
Yxy	89.9588, 0.2969, 0.3578
Android (android.graphics.Color)	4291624932 (0xFFCCFFE4)
YUV	236.6730, -4.2758, -28.6542
Hunter-Lab	94.8466, -25.4966, 12.1227

Details

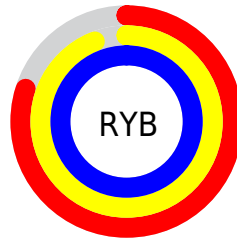
The Yxy color **89.9588, 0.2969, 0.3578** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.1744, 0.3323, 0.3019**, and the grayscale version is **84.4485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7949, 0.2930, 0.3636** is the 20% darker color. If you saturate the color by 10%, you get **85.9155, 0.2896, 0.3746**, and if you desaturate by 10%, it is **94.6265, 0.3047, 0.3426**.

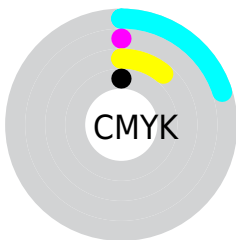
Distribution



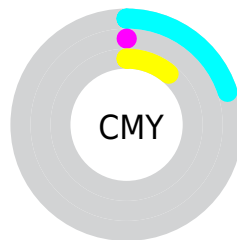
- Red (80%)
- Green (100%)
- Blue (89%)



- Red (80%)
- Yellow (94%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.9588, 0.2969, 0.3578 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 89.9588, 0.2969, 0.3578 by changing the saturation by 10% instead.


 89.9588, 0.2969,
0.3578

 89.9588, 0.2969,
0.3578


527.8968, 0.3041,
0.3447

 67.9465, 0.2953,
0.3608


147.2812, 0.2994,
0.3533

 49.8542, 0.2933,
0.3644


183.3600, 0.3003,
0.3515

 35.2976, 0.2908,
0.3689


224.8964, 0.3012,
0.3500

 23.8922, 0.2876,
0.3748

272.2749, 0.3019,
0.3487

 15.2537, 0.2833,
0.3828

325.8798, 0.3025,
0.3475

 8.9976, 0.2773,
0.3940

386.0955, 0.3031,

 4.7396, 0.2681,

0.3465

0.4111

453.3063, 0.3036,
0.3455

2.0953, 0.2526,
0.4404

0.6620, 0.1125,
0.6907

89.9588, 0.2969,
0.3578

89.9588, 0.2969,
0.3578

85.9155, 0.2896,
0.3746

94.6265, 0.3047,
0.3426

82.5023, 0.2830,
0.3929

99.9824, 0.3127,
0.3290

79.6749, 0.2775,
0.4125

100.0000, 0.3127,
0.3290

77.3977, 0.2735,
0.4331

■ 75.6312, 0.2712,
0.4542

■ 74.3304, 0.2709,
0.4751

■ 73.4416, 0.2727,
0.4951

■ 72.8793, 0.2760,
0.5138

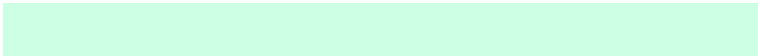
Harmonies

Analogous

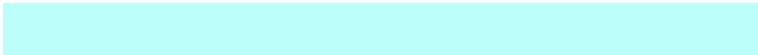
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9588, 0.3222, 0.3720



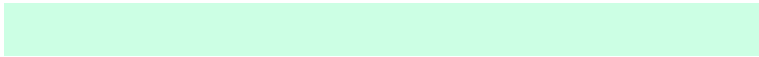
89.9588, 0.2969, 0.3578



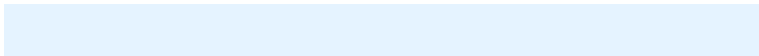
89.9588, 0.2764, 0.3351

Triad

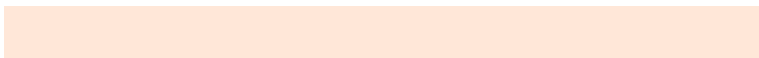
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.9588, 0.2969, 0.3578



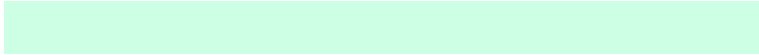
89.9588, 0.2796, 0.2868



89.9588, 0.3623, 0.3431

Complementary

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



89.9588, 0.2969, 0.3578



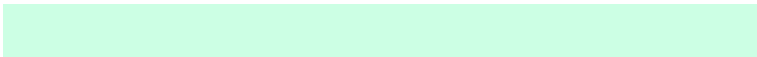
70.1744, 0.3323, 0.3019

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.



89.9588, 0.3500, 0.3216



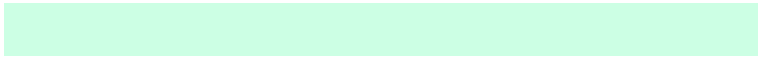
89.9588, 0.2969, 0.3578



89.9588, 0.3016, 0.2900

Square

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



89.9588, 0.2969, 0.3578



89.9588, 0.2667, 0.2943



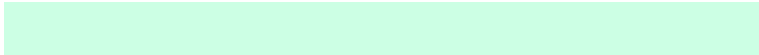
89.9588, 0.3275, 0.3026



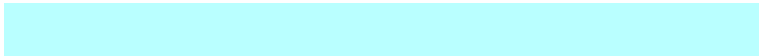
89.9588, 0.3606, 0.3620

Rectangle

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



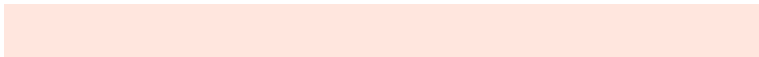
89.9588, 0.2969, 0.3578



89.9588, 0.2679, 0.3191



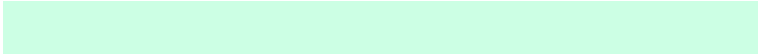
89.9588, 0.3275, 0.3026



89.9588, 0.3597, 0.3359

Sweetspot

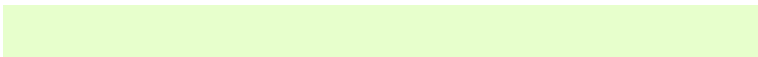
The Sweet Spot groups the original color and five complimentary colors.



89.9469, 0.2969, 0.3578



96.7025, 0.3079, 0.3369



92.8920, 0.3273, 0.3817



20.6247, 0.3074, 0.3378



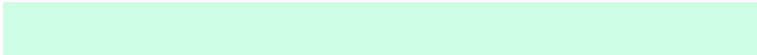
0.0000, 0.0000, 0.0000



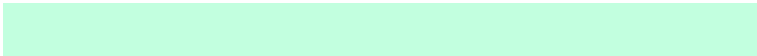
21.4041, 0.3127, 0.3290

Same Dimension

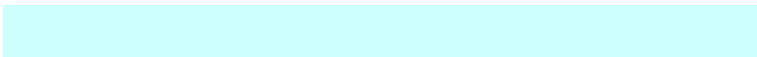
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.9469, 0.2969, 0.3578



88.2708, 0.2939, 0.3643



91.4571, 0.2835, 0.3307



20.3106, 0.3051, 0.3418



38.1106, 0.2752, 0.5108



3.7326, 0.2692, 0.4892

Inverse Universe

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



70.1744, 0.3323, 0.3019



65.2548, 0.3371, 0.2963



68.8464, 0.3514, 0.3274



18.1477, 0.3211, 0.3165



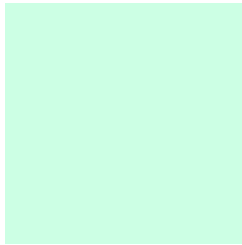
12.0513, 0.4842, 0.2441



1.1955, 0.4604, 0.2310

Previews

White Background



This preview shows how the Yxy color 89.9588, 0.2969, 0.3578 looks on a white background.

Color Contrast Check

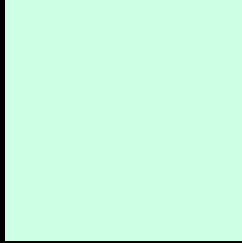
Large Text (above 18pt) WCAG AA × Fail

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 89.9588, 0.2969, 0.3578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

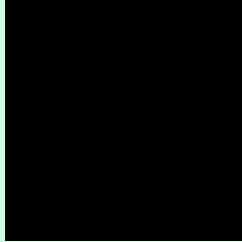
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

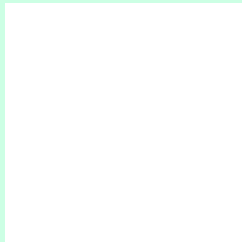
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.9588, 0.2969, 0.3578

Background



This preview shows how black text looks on a background with the Yxy color 89.9588, 0.2969, 0.3578.

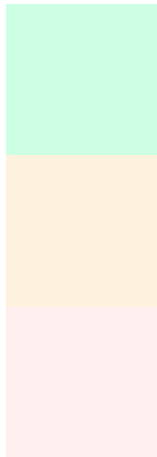


This preview shows how white text looks on a background with the Yxy color 89.9588, 0.2969, 0.3578.

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

89.9588, 0.2969, 0.3578

Protanopia

89.4202, 0.3324, 0.3499

Deuteranopia

89.1661, 0.3240, 0.3300



Tritanopia

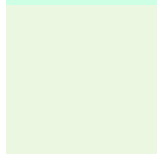
89.7895, 0.2969, 0.3199

Trichromacy



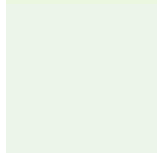
Original Color

89.9588, 0.2969, 0.3578



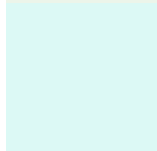
Protanomaly

89.5655, 0.3187, 0.3525



Deuteranomaly

89.0782, 0.3135, 0.3401



Tritanomaly

89.5596, 0.2970, 0.3331

Monochromacy



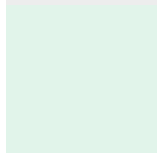
Original Color

89.9588, 0.2969, 0.3578



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.6494, 0.3065, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.9588, 0.2969, 0.3578 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 228) }
```

Border

The CSS property to change the border of an element to Yxy 89.9588, 0.2969, 0.3578 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, 228) }
```

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

```
.border{ border-color:rgb(204, 255, 228) }
```

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, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 89.9588, 0.2969, 0.3578 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, 228) }
```

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

```
.background{ background-color: rgb(204,  
255, 228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor