

# Converting Colors

$Yxy(89.8723, 0.2876, 0.3452)$

Have a look what the booklet for  
Yxy(89.8723, 0.2876, 0.3452)  
contains.

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# Color

**Yxy(89.9534, 0.2877, 0.3449)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7FFF0
RGB	199, 255, 240
RGB Percent	78%, 100%, 94%
CMY	0.2196, 0.0000, 0.0589
CMYK	0.22, 0.00, 0.06, 0.00
HSL	164°, 100%, 89%
HSV	164°, 22%, 100%
XYZ	75.0351, 89.9534, 95.8216
YIQ	236.5460, -28.5610, -16.5370

# Conversions

## Conversions Part 2

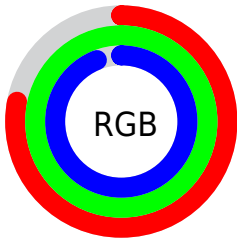
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 231, 255
Decimal	13107184
CIE <sub>Lab</sub>	95.98, -20.55, 1.40
CIE <sub>LCh</sub>	96, 20.599, 176.090
Y <sub>xy</sub>	89.9534, 0.2877, 0.3449
Android (android.graphics.Color)	4291297264 (0xFFC7FFF0)
YUV	236.5460, 1.7028, -32.9278
Hunter-Lab	94.8438, -24.7574, 6.4893

# Details

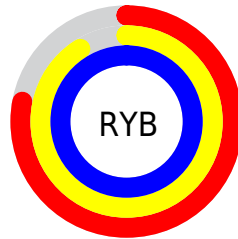
The Yxy color **89.9534, 0.2877, 0.3449** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.9579, 0.3458, 0.3137**, and the grayscale version is **84.3182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7782, 0.2822, 0.3482** is the 20% darker color. If you saturate the color by 10%, you get **86.3506, 0.2775, 0.3532**, and if you desaturate by 10%, it is **94.1494, 0.2988, 0.3372**.

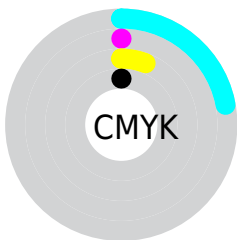
# Distribution



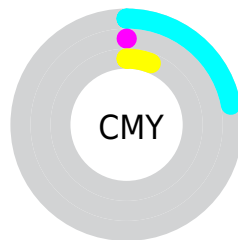
- Red (78%)
- Green (100%)
- Blue (94%)



- Red (78%)
- Yellow (91%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.9534, 0.2877, 0.3449 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 89.9534, 0.2877, 0.3449 by changing the saturation by 10% instead.




 89.9534, 0.2877,  
0.3449

 89.9534, 0.2877,  
0.3449

527.8793, 0.2989,  
0.3378

 67.9420, 0.2852,  
0.3465


147.2737, 0.2915,  
0.3425

 49.8505, 0.2823,  
0.3484


183.3513, 0.2930,  
0.3415

 35.2947, 0.2786,  
0.3508


224.8865, 0.2943,  
0.3407

 23.8899, 0.2738,  
0.3538

272.2636, 0.2954,  
0.3400

 15.2520, 0.2676,  
0.3579

325.8670, 0.2964,  
0.3393

 8.9964, 0.2589,  
0.3636

386.0812, 0.2973,

 4.7389, 0.2462,

0.3388

0.3719

453.2905, 0.2981,  
0.3382

■ 2.0949, 0.2258,  
0.3856

■ 0.6617, 0.0902,  
0.4689

■ 89.9534, 0.2877,  
0.3449

■ 89.9534, 0.2877,  
0.3449

■ 86.3506, 0.2775,  
0.3532

■ 94.1494, 0.2988,  
0.3372

■ 83.3216, 0.2684,  
0.3622

■ 98.9757, 0.3104,  
0.3303


■ 80.8312, 0.2607,  
0.3717

■ 100.0000, 0.3127,  
0.3290

■ 78.8446, 0.2548,  
0.3816

 77.3226, 0.2508,  
0.3917

 76.2202, 0.2489,  
0.4020

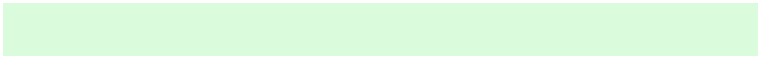
 75.4829, 0.2489,  
0.4122

 75.0897, 0.2501,  
0.4202

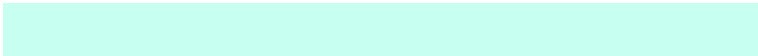
# Harmonies

## Analogous

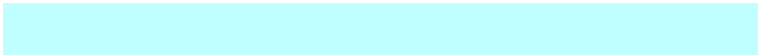
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9534, 0.3092, 0.3625



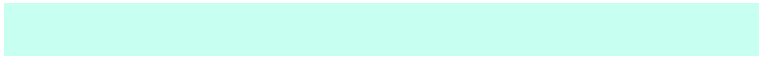
89.9534, 0.2877, 0.3449



89.9534, 0.2731, 0.3231

# Triad

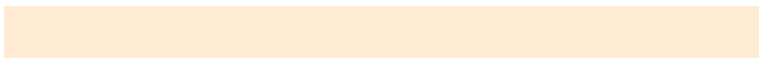
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.9534, 0.2877, 0.3449



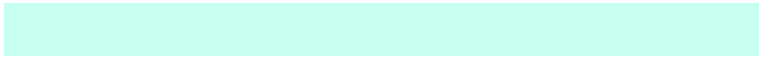
89.9534, 0.2923, 0.2909



89.9534, 0.3586, 0.3516

# Complementary

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



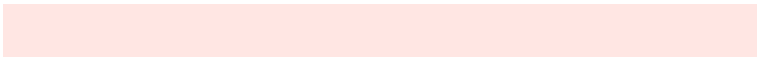
89.9534, 0.2877, 0.3449



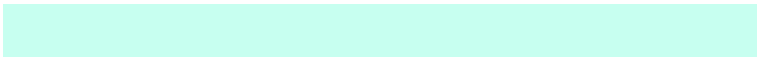
66.9579, 0.3458, 0.3137

# 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.



89.9534, 0.3539, 0.3326



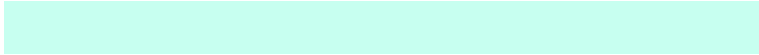
89.9534, 0.2877, 0.3449



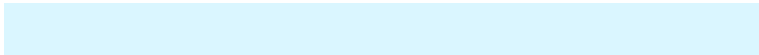
89.9534, 0.3149, 0.2985

# Square

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



89.9534, 0.2877, 0.3449



89.9534, 0.2757, 0.2926



89.9534, 0.3377, 0.3135

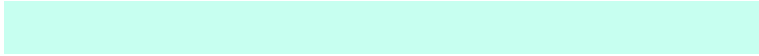


89.9534, 0.3505, 0.3655



# Rectangle

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



89.9534, 0.2877, 0.3449



89.9534, 0.2690, 0.3098



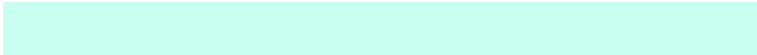
89.9534, 0.3377, 0.3135



89.9534, 0.3585, 0.3455

# Sweetspot

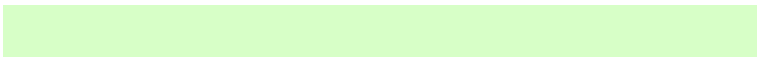
The Sweet Spot groups the original color and five complimentary colors.



89.9502, 0.2877, 0.3449



96.4657, 0.3045, 0.3337



90.0688, 0.3197, 0.3889



20.5856, 0.3038, 0.3341



0.0000, 0.0000, 0.0000

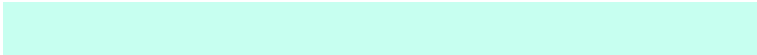


21.4041, 0.3127, 0.3290

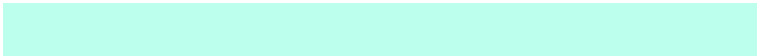


# Same Dimension

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



89.9502, 0.2877, 0.3449



88.4272, 0.2835, 0.3482



83.3807, 0.2790, 0.3161



20.3934, 0.3016, 0.3355



39.2622, 0.2496, 0.4186



3.8410, 0.2464, 0.4070



# Inverse Universe

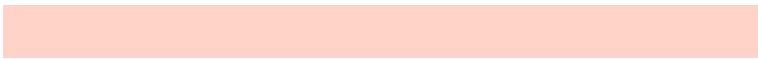
The Inverse Universe completely reimagines the original color for something new.



66.9579, 0.3458, 0.3137



62.0064, 0.3537, 0.3108



72.0337, 0.3550, 0.3416



18.0671, 0.3252, 0.3226



11.3506, 0.5877, 0.3011

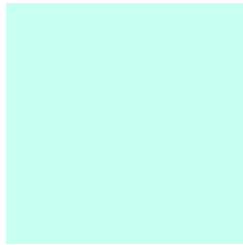


1.1224, 0.5559, 0.2836



# Previews

## White Background



This preview shows how the Yxy color 89.9534, 0.2877, 0.3449 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

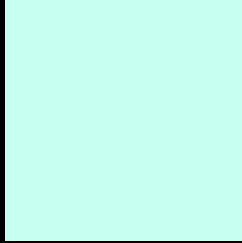
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.9534, 0.2877, 0.3449 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

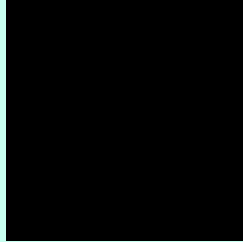
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

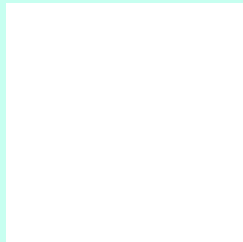
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.9534, 0.2877, 0.3449**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.9534, 0.2877, 0.3449.

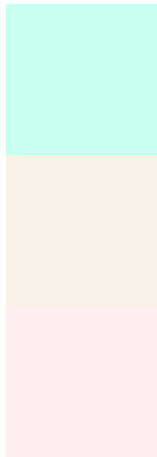


This preview shows how white text looks on a background with the Yxy color 89.9534, 0.2877, 0.3449.

# 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

89.9534, 0.2877, 0.3449

### Protanopia

89.5272, 0.3228, 0.3379

### Deuteranopia

89.4641, 0.3208, 0.3251



## Tritanopia

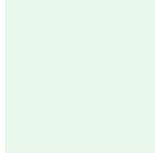
89.6255, 0.2963, 0.3199

# Trichromacy



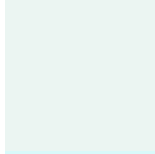
## Original Color

89.9534, 0.2877, 0.3449



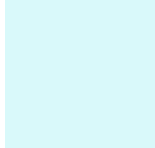
## Protanomaly

89.5666, 0.3090, 0.3402



## Deuteranomaly

89.3778, 0.3081, 0.3320



## Tritanomaly

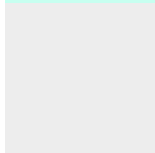
89.4052, 0.2925, 0.3279

# Monochromacy



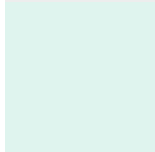
## Original Color

89.9534, 0.2877, 0.3449



## Achromatopsia

84.6873, 0.3127, 0.3290



## Achromatomaly

86.5624, 0.3029, 0.3352

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.9534, 0.2877, 0.3449 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(199, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 240)  
}
```

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(199, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 89.9534, 0.2877, 0.3449 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(199, 255, 240) }
```

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

```
.border{ border-color:rgb(199, 255, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.9534, 0.2877, 0.3449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 240) }
```

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

```
.background{ background-color: rgb(199,  
255, 240) }
```

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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