

# Converting Colors

$Yxy(89.5636, 0.2899, 0.3378)$

Have a look what the booklet for  
Yxy(89.5636, 0.2899, 0.3378)  
contains.

<b>Yxy(89.4179, 0.2900, 0.3373)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(89.4179, 0.2900, 0.3373)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFFCF4
RGB	207, 252, 244
RGB Percent	81%, 99%, 96%
CMY	0.1881, 0.0118, 0.0431
CMYK	0.18, 0.00, 0.03, 0.01
HSL	169°, 88%, 90%
HSV	169°, 18%, 99%
XYZ	76.8787, 89.4179, 98.8024
YIQ	237.6330, -24.2520, -12.0280

# Conversions

## Conversions Part 2

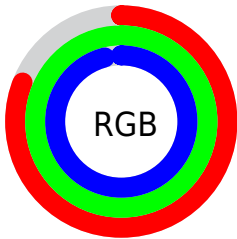
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 232, 252
Decimal	13630708
CIE Lab	95.75, -15.84, -0.95
CIE LCh	96, 15.866, 183.419
Yxy	89.4179, 0.2900, 0.3373
Android (android.graphics.Color)	4291820788 (0xFFCFFCF4)
YUV	237.6330, 3.1389, -26.8651
Hunter-Lab	94.5610, -20.3602, 4.2434

# Details

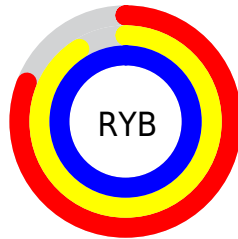
The Yxy color **89.4179, 0.2900, 0.3373** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.2430, 0.3414, 0.3209**, and the grayscale version is **85.1977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3365, 0.2849, 0.3384** is the 20% darker color. If you saturate the color by 10%, you get **85.8076, 0.2783, 0.3426**, and if you desaturate by 10%, it is **93.6215, 0.3025, 0.3325**.

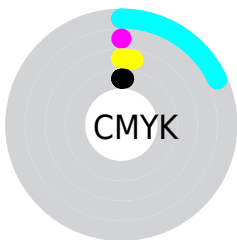
# Distribution



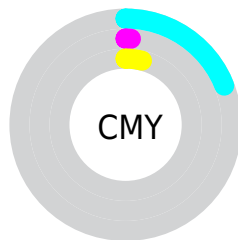
- Red (81%)
- Green (99%)
- Blue (96%)



- Red (81%)
- Yellow (91%)
- Blue (99%)



- Cyan (18%)
- Magenta (0%)
- Yellow (3%)
- Black (1%)




- Cyan (19%)
- Magenta (1%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.4179, 0.2900, 0.3373 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 89.4179, 0.2900, 0.3373 by changing the saturation by 10% instead.




 89.4179, 0.2900,  
0.3373

 89.4179, 0.2900,  
0.3373

526.1355, 0.3001,  
0.3336

 67.4980, 0.2878,  
0.3381


146.5296, 0.2934,  
0.3361

 49.4894, 0.2851,  
0.3391


182.4901, 0.2948,  
0.3356

 35.0079, 0.2817,  
0.3403


223.8996, 0.2960,  
0.3351

 23.6689, 0.2775,  
0.3418

271.1424, 0.2970,  
0.3348

 15.0882, 0.2718,  
0.3438

324.6031, 0.2979,  
0.3344

 8.8813, 0.2641,  
0.3465

384.6658, 0.2987,

 4.6639, 0.2527,

0.3341

451.7152, 0.2994,  
0.3339

0.3505

2.0514, 0.2344,  
0.3567

0.6371, 0.1355,  
0.3943

89.4179, 0.2900,  
0.3373

89.4179, 0.2900,  
0.3373

85.8076, 0.2783,  
0.3426

93.6215, 0.3025,  
0.3325


82.7521, 0.2678,  
0.3482

97.9689, 0.3140,  
0.3281


80.2252, 0.2587,  
0.3542


98.0994, 0.3128,  
0.3261


78.1947, 0.2513,  
0.3604

 76.6243, 0.2458,  
0.3668

 75.4731, 0.2422,  
0.3733

 74.6928, 0.2407,  
0.3798

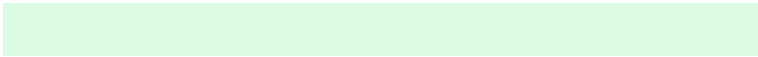
 74.2185, 0.2408,  
0.3862

 74.1360, 0.2410,  
0.3875

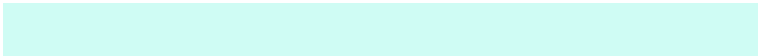
# Harmonies

## Analogous

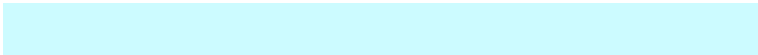
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4179, 0.3058, 0.3519



89.4179, 0.2900, 0.3373



89.4179, 0.2804, 0.3207

# Triad

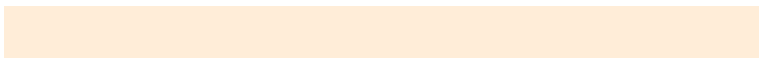
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.4179, 0.2900, 0.3373



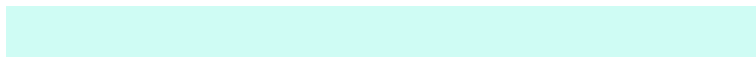
89.4179, 0.3010, 0.3001



89.4179, 0.3474, 0.3498

# Complementary

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



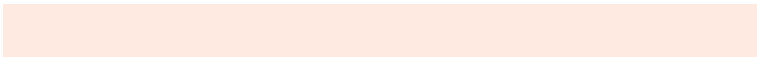
89.4179, 0.2900, 0.3373



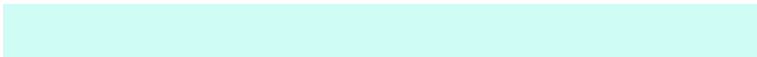
70.2430, 0.3414, 0.3209

# 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.



89.4179, 0.3462, 0.3358



89.4179, 0.2900, 0.3373



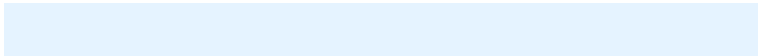
89.4179, 0.3190, 0.3076

# Square

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



89.4179, 0.2900, 0.3373



89.4179, 0.2866, 0.2998



89.4179, 0.3357, 0.3205

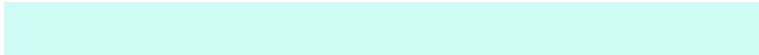


89.4179, 0.3391, 0.3588

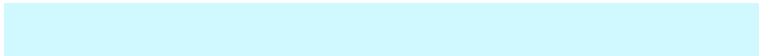


# Rectangle

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



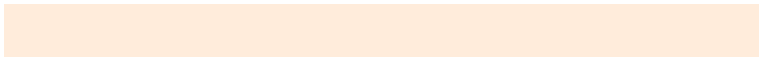
89.4179, 0.2900, 0.3373



89.4179, 0.2786, 0.3110



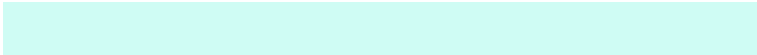
89.4179, 0.3357, 0.3205



89.4179, 0.3481, 0.3455

# Sweetspot

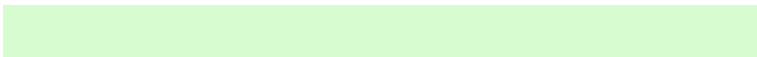
The Sweet Spot groups the original color and five complimentary colors.



89.4216, 0.2900, 0.3373



97.5165, 0.3062, 0.3312



88.6147, 0.3156, 0.3770



20.8006, 0.3053, 0.3315



0.0000, 0.0000, 0.0000

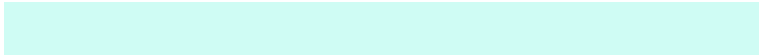


21.4041, 0.3127, 0.3290

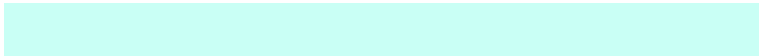


# Same Dimension

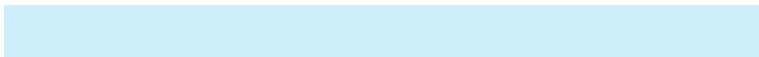
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.4216, 0.2900, 0.3373



90.6224, 0.2862, 0.3389



81.3065, 0.2850, 0.3139



19.5526, 0.3004, 0.3332



38.6389, 0.2407, 0.3865



3.5920, 0.2386, 0.3788



# Inverse Universe

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



70.2430, 0.3414, 0.3209



67.9446, 0.3478, 0.3194



77.0574, 0.3449, 0.3436



17.2755, 0.3266, 0.3248



10.8932, 0.6134, 0.3153

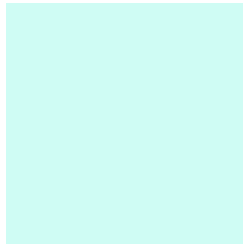


1.0223, 0.5832, 0.2986



# Previews

## White Background



This preview shows how the Yxy color 89.4179, 0.2900, 0.3373 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 89.4179, 0.2900, 0.3373 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

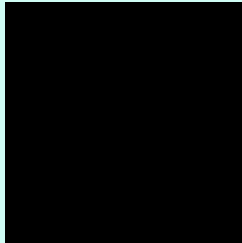
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

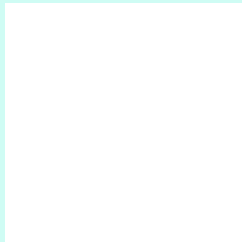
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.4179, 0.2900, 0.3373**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.4179, 0.2900, 0.3373.

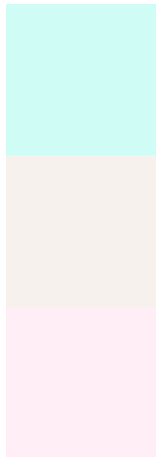


This preview shows how white text looks on a background with the Yxy color 89.4179, 0.2900, 0.3373.

# 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

89.4179, 0.2900, 0.3373

### Protanopia

88.8578, 0.3185, 0.3320

### Deuteranopia

89.0016, 0.3197, 0.3222



## Tritanopia

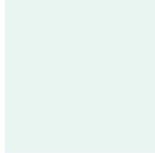
89.0188, 0.2962, 0.3189

# Trichromacy



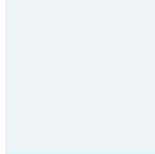
## Original Color

89.4179, 0.2900, 0.3373



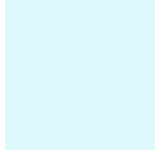
## Protanomaly

88.7519, 0.3074, 0.3341



## Deuteranomaly

88.8709, 0.3083, 0.3270



## Tritanomaly

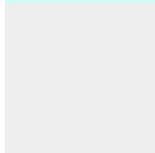
89.3155, 0.2937, 0.3259

# Monochromacy



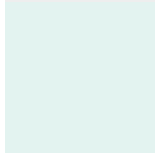
## Original Color

89.4179, 0.2900, 0.3373



## Achromatopsia

85.4993, 0.3127, 0.3290



## Achromatomaly

86.7233, 0.3042, 0.3321

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.4179, 0.2900, 0.3373 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(207, 252, 244)` looks like.

```
.text, #text, p{  
    color:rgb(207, 252, 244)  
}
```

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(207, 252, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 252, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 89.4179, 0.2900, 0.3373 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(207, 252, 244) }
```

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

```
.border{ border-color:rgb(207, 252, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 252, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 252, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 252, 244);  
box-shadow:4px 4px 4px 4px rgb(207, 252,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.4179, 0.2900, 0.3373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 252, 244) }
```

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

```
.background{ background-color: rgb(207,  
252, 244) }
```

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