

# Converting Colors

$Yxy(89.8767, 0.2946, 0.3427)$

Have a look what the booklet for  
Yxy(89.8767, 0.2946, 0.3427)  
contains.

<b>Yxy(89.5544, 0.2944, 0.3426)</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(89.5544, 0.2944, 0.3426)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2FCEF
RGB	210, 252, 239
RGB Percent	82%, 99%, 94%
CMY	0.1767, 0.0117, 0.0628
CMYK	0.17, 0.00, 0.05, 0.01
HSL	161°, 88%, 91%
HSV	161°, 17%, 99%
XYZ	76.9551, 89.5544, 94.8869
YIQ	237.9600, -20.8590, -12.9470

# Conversions

## Conversions Part 2

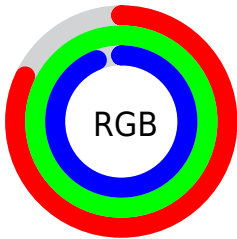
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 235, 252
Decimal	13827311
CIE Lab	95.81, -15.93, 1.74
CIE LCh	96, 16.024, 173.751
Yxy	89.5544, 0.2944, 0.3426
Android (android.graphics.Color)	4292017391 (0xFFD2FCEF)
YUV	237.9600, 0.5127, -24.5209
Hunter-Lab	94.6332, -20.4530, 6.7943

# Details

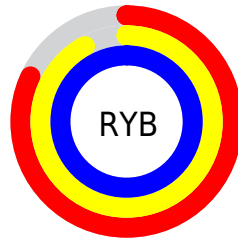
The Yxy color **89.5544, 0.2944, 0.3426** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.0889, 0.3351, 0.3158**, and the grayscale version is **85.4697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.4177, 0.2905, 0.3452** is the 20% darker color. If you saturate the color by 10%, you get **85.6959, 0.2842, 0.3519**, and if you desaturate by 10%, it is **94.0227, 0.3052, 0.3342**.

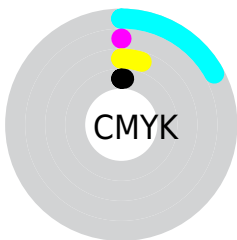
# Distribution



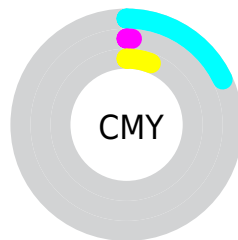
- Red (82%)
- Green (99%)
- Blue (94%)



- Red (82%)
- Yellow (92%)
- Blue (99%)



- Cyan (17%)
- Magenta (0%)
- Yellow (5%)
- Black (1%)




- Cyan (18%)
- Magenta (1%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.5544, 0.2944, 0.3426 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 89.5544, 0.2944, 0.3426 by changing the saturation by 10% instead.




 89.5544, 0.2944,  
0.3426

 89.5544, 0.2944,  
0.3426


526.5803, 0.3026,  
0.3365

 67.6111, 0.2926,  
0.3440


146.7193, 0.2972,  
0.3405

 49.5814, 0.2904,  
0.3456


182.7097, 0.2983,  
0.3397

 35.0809, 0.2877,  
0.3477


224.1512, 0.2992,  
0.3390

 23.7252, 0.2842,  
0.3503

271.4283, 0.3001,  
0.3384

 15.1299, 0.2795,  
0.3538

324.9254, 0.3008,  
0.3378

 8.9106, 0.2731,  
0.3587

385.0268, 0.3015,

 4.6829, 0.2636,

0.3373

452.1170, 0.3021,  
0.3369

0.3661

2.0625, 0.2482,  
0.3781

0.6434, 0.1541,  
0.4454

89.5544, 0.2944,  
0.3426

89.5544, 0.2944,  
0.3426

85.6959, 0.2842,  
0.3519

94.0227, 0.3052,  
0.3342

82.4084, 0.2749,  
0.3619

98.0875, 0.3131,  
0.3266

79.6663, 0.2668,  
0.3727

98.1134, 0.3128,  
0.3262

77.4371, 0.2603,  
0.3840

■ 75.6850, 0.2556,  
0.3957

■ 74.3694, 0.2529,  
0.4077

■ 73.4428, 0.2523,  
0.4196

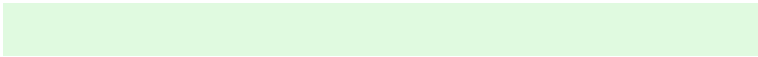
■ 72.8453, 0.2536,  
0.4314

■ 72.6901, 0.2542,  
0.4353

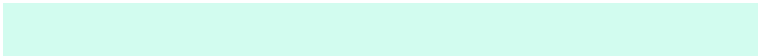
# Harmonies

## Analogous

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



89.5544, 0.3115, 0.3556



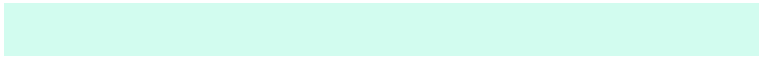
89.5544, 0.2944, 0.3426



89.5544, 0.2824, 0.3259

# Triad

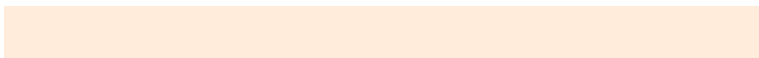
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.5544, 0.2944, 0.3426



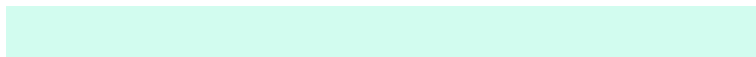
89.5544, 0.2956, 0.2989



89.5544, 0.3484, 0.3458

# Complementary

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



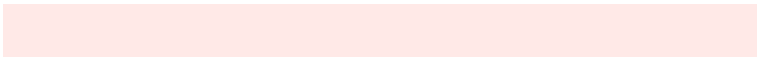
89.5544, 0.2944, 0.3426



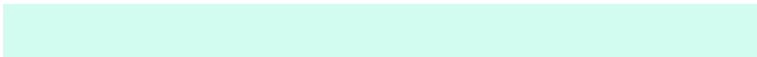
72.0889, 0.3351, 0.3158

# 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.



89.5544, 0.3440, 0.3308



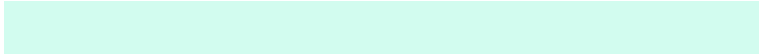
89.5544, 0.2944, 0.3426



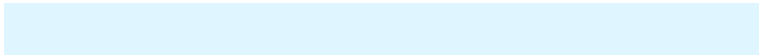
89.5544, 0.3131, 0.3043

# Square

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



89.5544, 0.2944, 0.3426



89.5544, 0.2830, 0.3010



89.5544, 0.3309, 0.3158

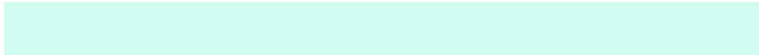


89.5544, 0.3430, 0.3570



# Rectangle

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



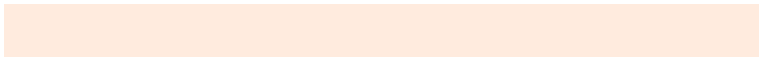
89.5544, 0.2944, 0.3426



89.5544, 0.2786, 0.3153



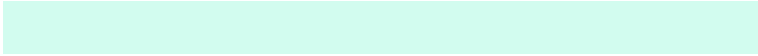
89.5544, 0.3309, 0.3158



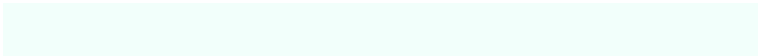
89.5544, 0.3481, 0.3410

# Sweetspot

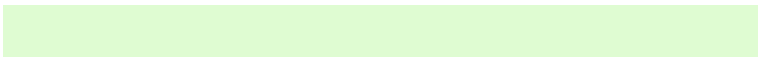
The Sweet Spot groups the original color and five complimentary colors.



89.5581, 0.2944, 0.3426



97.4099, 0.3071, 0.3328



90.0138, 0.3190, 0.3732



20.7746, 0.3063, 0.3334



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

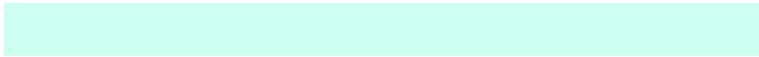


# Same Dimension

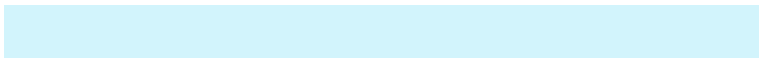
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5581, 0.2944, 0.3426



90.6021, 0.2909, 0.3456



85.6079, 0.2870, 0.3209



19.5118, 0.3022, 0.3364



37.8859, 0.2537, 0.4333



3.5279, 0.2498, 0.4192



# Inverse Universe

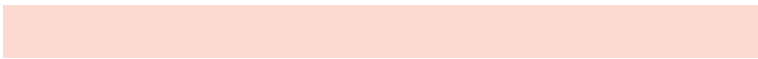
The Inverse Universe completely reimagines the original color for something new.



72.0889, 0.3351, 0.3158



69.6016, 0.3406, 0.3131



75.3136, 0.3434, 0.3370



17.3137, 0.3245, 0.3217



11.0901, 0.5732, 0.2932



1.0453, 0.5396, 0.2746



# Previews

## White Background



This preview shows how the Yxy color 89.5544, 0.2944, 0.3426 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

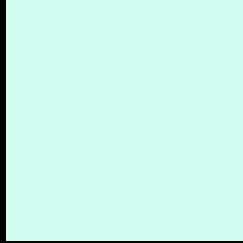
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.5544, 0.2944, 0.3426 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

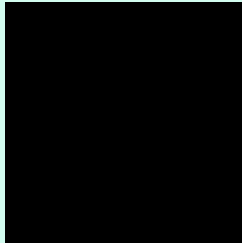
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

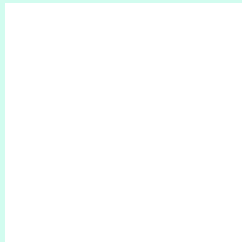
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.5544, 0.2944, 0.3426**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.5544, 0.2944, 0.3426.

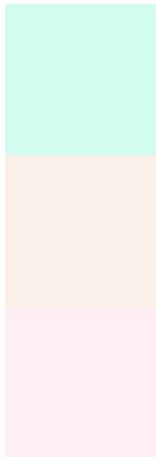


This preview shows how white text looks on a background with the Yxy color 89.5544, 0.2944, 0.3426.

# 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

89.5544, 0.2944, 0.3426

### Protanopia

88.9335, 0.3229, 0.3370

### Deuteranopia

88.8801, 0.3209, 0.3242



## Tritanopia

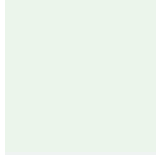
89.3478, 0.2975, 0.3189

# Trichromacy



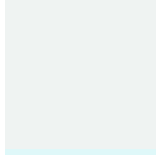
## Original Color

89.5544, 0.2944, 0.3426



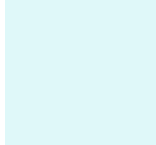
## Protanomaly

88.9651, 0.3122, 0.3391



## Deuteranomaly

88.8627, 0.3107, 0.3300



## Tritanomaly

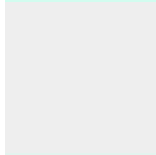
89.6623, 0.2966, 0.3279

# Monochromacy



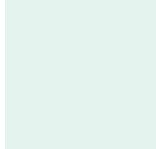
## Original Color

89.5544, 0.2944, 0.3426



## Achromatopsia

85.4993, 0.3127, 0.3290



## Achromatomaly

86.7682, 0.3060, 0.3341

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  89.5544, 0.2944, 0.3426 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(210, 252, 239)` looks like.

```
.text, #text, p{  
    color:rgb(210, 252, 239)  
}
```

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(210, 252, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 252, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 89.5544, 0.2944, 0.3426 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(210, 252, 239) }
```

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

```
.border{ border-color:rgb(210, 252, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 252, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 252, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 252, 239);  
box-shadow:4px 4px 4px 4px rgb(210, 252,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.5544, 0.2944, 0.3426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 252, 239) }
```

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

```
.background{ background-color: rgb(210,  
252, 239) }
```

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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