

# Converting Colors

$Yxy(85.5376, 0.2729, 0.3369)$

Have a look what the booklet for  
Yxy(85.5376, 0.2729, 0.3369)  
contains.

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# Color

**Yxy(85.4435, 0.2726, 0.3366)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0FCF5
RGB	176, 252, 245
RGB Percent	69%, 99%, 96%
CMY	0.3097, 0.0118, 0.0394
CMYK	0.30, 0.00, 0.03, 0.01
HSL	174°, 93%, 84%
HSV	174°, 30%, 99%
XYZ	69.1976, 85.4435, 99.2018
YIQ	228.4780, -43.0490, -18.2890

# Conversions

## Conversions Part 2

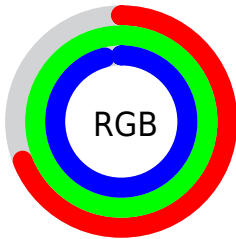
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 216, 252
Decimal	11599093
CIELab	94.07, -24.66, -4.10
CIELCh	94, 24.994, 189.453
Yxy	85.4435, 0.2726, 0.3366
Android (android.graphics.Color)	4289789173 (0xFFB0FCF5)
YUV	228.4780, 8.1453, -46.0232
Hunter-Lab	92.4357, -28.1369, 1.0750

# Details

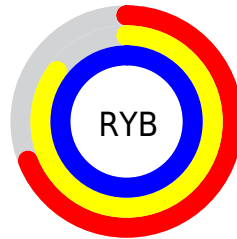
The Yxy color **85.4435, 0.2726, 0.3366** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.1831, 0.3745, 0.3217**, and the grayscale version is **77.9200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **46.7693, 0.2640, 0.3374** is the 20% darker color. If you saturate the color by 10%, you get **82.6345, 0.2616, 0.3395**, and if you desaturate by 10%, it is **88.8064, 0.2850, 0.3339**.

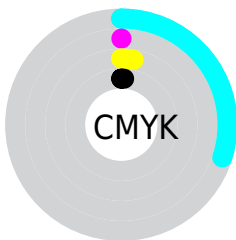
# Distribution



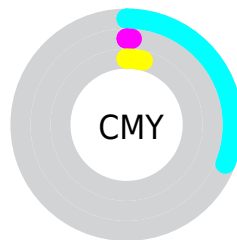
- Red (69%)
- Green (99%)
- Blue (96%)



- Red (69%)
- Yellow (85%)
- Blue (99%)



- Cyan (30%)
- Magenta (0%)
- Yellow (3%)
- Black (1%)




- Cyan (31%)
- Magenta (1%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.4435, 0.2726, 0.3366 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 85.4435, 0.2726, 0.3366 by changing the saturation by 10% instead.





 85.4435, 0.2726,  
0.3366

 85.4435, 0.2726,  
0.3366

513.0944, 0.2905,  
0.3334

 64.2079, 0.2687,  
0.3373


 140.9926, 0.2787,  
0.3355

 46.8191, 0.2639,  
0.3381


176.0750, 0.2811,  
0.3351

 32.8927, 0.2580,  
0.3390


216.5417, 0.2832,  
0.3347

 22.0442, 0.2504,  
0.3402

262.7771, 0.2850,  
0.3344

 13.8894, 0.2405,  
0.3416

315.1657, 0.2866,  
0.3341

 8.0438, 0.2268,  
0.3434


374.0919, 0.2880,


 4.1230, 0.2070,


0.3339


0.3456


439.9400, 0.2893,  
0.3336


 1.7426, 0.1757,  
0.3480


 0.4510, 0.0000,  
0.3670

 85.4435, 0.2726,  
0.3366


 85.4435, 0.2726,  
0.3366

 82.6345, 0.2616,  
0.3395


 88.8064, 0.2850,  
0.3339

 80.3390, 0.2521,  
0.3426

 92.7408, 0.2984,  
0.3313

 78.5271, 0.2445,  
0.3457

 97.2762, 0.3125,  
0.3290

 77.1619, 0.2388,  
0.3489

 98.0572, 0.3133,  
0.3268

■ 76.2010, 0.2351,  
0.3521

■ 98.1021, 0.3128,  
0.3262

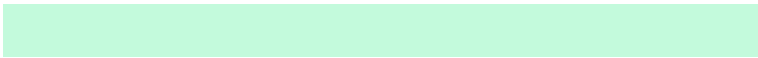
■ 75.5938, 0.2332,  
0.3553

■ 75.2601, 0.2329,  
0.3584

# Harmonies

## Analogous

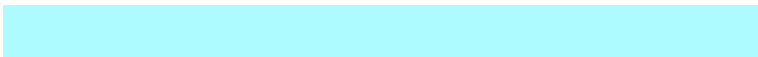
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4435, 0.2957, 0.3621



85.4435, 0.2726, 0.3366



85.4435, 0.2602, 0.3101

# Triad

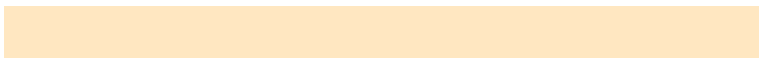
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.4435, 0.2726, 0.3366



85.4435, 0.2993, 0.2853



85.4435, 0.3668, 0.3653

# Complementary

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



85.4435, 0.2726, 0.3366



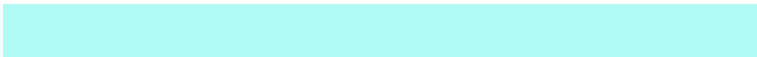
55.1831, 0.3745, 0.3217

# 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.



85.4435, 0.3683, 0.3438



85.4435, 0.2726, 0.3366



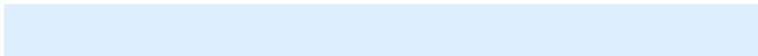
85.4435, 0.3283, 0.2989

# Square

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



85.4435, 0.2726, 0.3366



85.4435, 0.2751, 0.2820



85.4435, 0.3539, 0.3199



85.4435, 0.3503, 0.3783



# Rectangle

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



85.4435, 0.2726, 0.3366



85.4435, 0.2593, 0.2959



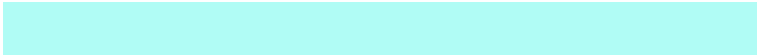
85.4435, 0.3539, 0.3199



85.4435, 0.3691, 0.3587

# Sweetspot

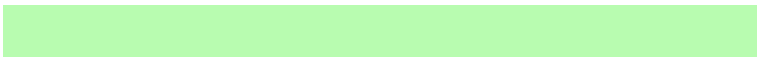
The Sweet Spot groups the original color and five complimentary colors.



85.4469, 0.2726, 0.3366



95.7680, 0.2999, 0.3311



82.9033, 0.3131, 0.4165



20.3621, 0.2979, 0.3314



0.0000, 0.0000, 0.0000

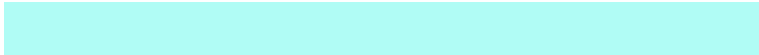


21.4041, 0.3127, 0.3290

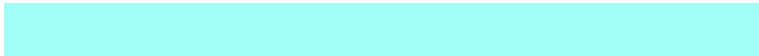


# Same Dimension

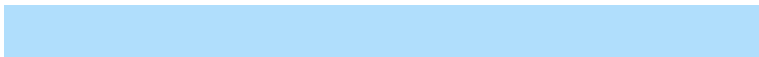
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4469, 0.2726, 0.3366



86.0120, 0.2659, 0.3383



68.3017, 0.2653, 0.2946



19.5792, 0.2993, 0.3312



39.2149, 0.2327, 0.3579



3.6398, 0.2317, 0.3541



# Inverse Universe

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



55.1831, 0.3745, 0.3217



50.4927, 0.3919, 0.3203



68.1786, 0.3714, 0.3609



17.2513, 0.3279, 0.3268



10.8225, 0.6298, 0.3243

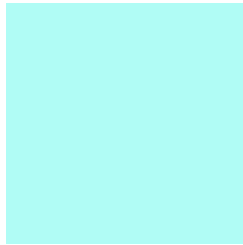


1.0109, 0.6087, 0.3127



# Previews

## White Background



This preview shows how the Yxy color 85.4435, 0.2726, 0.3366 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

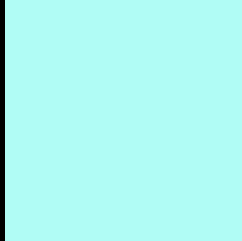
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.4435, 0.2726, 0.3366 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

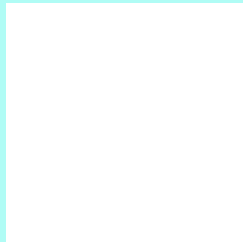
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.4435, 0.2726, 0.3366**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.4435, 0.2726, 0.3366.

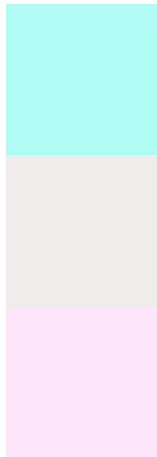


This preview shows how white text looks on a background with the Yxy color 85.4435, 0.2726, 0.3366.

# 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

85.4435, 0.2726, 0.3366

### Protanopia

84.7478, 0.3161, 0.3290

### Deuteranopia

84.5666, 0.3163, 0.3095



## Tritanopia

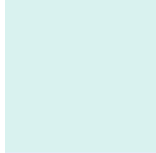
84.7311, 0.2842, 0.3164

# Trichromacy



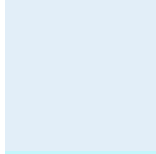
## Original Color

85.4435, 0.2726, 0.3366



## Protanomaly

84.4880, 0.2985, 0.3321



## Deuteranomaly

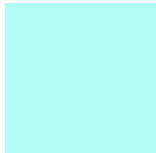
84.0951, 0.2990, 0.3187



## Tritanomaly

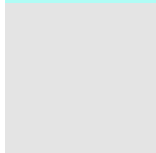
84.6123, 0.2797, 0.3236

# Monochromacy



## Original Color

85.4435, 0.2726, 0.3366



## Achromatopsia

77.5822, 0.3127, 0.3290



## Achromatomaly

80.0642, 0.2964, 0.3322

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.4435, 0.2726, 0.3366 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(176, 252, 245)` looks like.

```
.text, #text, p{  
    color:rgb(176, 252, 245)  
}
```

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(176, 252, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 252, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 85.4435, 0.2726, 0.3366 is called "border". The border property can be set on classes, ids or directly on the HTML element.

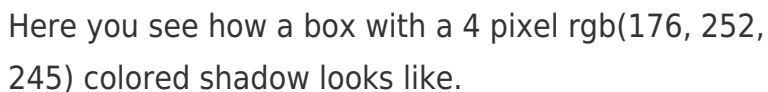
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 252, 245) }
```

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

```
.border{ border-color:rgb(176, 252, 245) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 252, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 252, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 252, 245); box-shadow:4px 4px 4px 4px rgb(176, 252, 245) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.4435, 0.2726, 0.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 252, 245) }
```

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

```
.background{ background-color: rgb(176,  
252, 245) }
```

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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