

# Converting Colors

$Yxy(85.8406, 0.2756, 0.3577)$

Have a look what the booklet for  
Yxy(85.8406, 0.2756, 0.3577)  
contains.

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# Color

**Yxy(85.4487, 0.2757, 0.3571)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7FFE6
RGB	167, 255, 230
RGB Percent	65%, 100%, 90%
CMY	0.3452, 0.0000, 0.0981
CMYK	0.35, 0.00, 0.10, 0.00
HSL	163°, 100%, 83%
HSV	163°, 35%, 100%
XYZ	65.9709, 85.4487, 87.8655
YIQ	225.8380, -44.4230, -26.4310

# Conversions

## Conversions Part 2

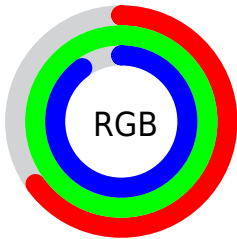
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 218, 255
Decimal	11010022
CIELab	94.08, -31.77, 3.59
CIELCh	94, 31.969, 173.561
Yxy	85.4487, 0.2757, 0.3571
Android (android.graphics.Color)	4289200102 (0xFFA7FFE6)
YUV	225.8380, 2.0519, -51.6009
Hunter-Lab	92.4385, -34.3766, 8.3500

# Details

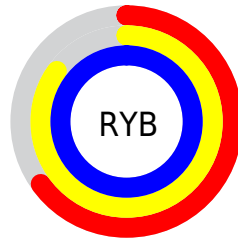
The Yxy color **85.4487, 0.2757, 0.3571** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.6886, 0.3713, 0.3030**, and the grayscale version is **75.9285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **46.8628, 0.2671, 0.3629** is the 20% darker color. If you saturate the color by 10%, you get **82.5369, 0.2671, 0.3668**, and if you desaturate by 10%, it is **88.9148, 0.2855, 0.3481**.

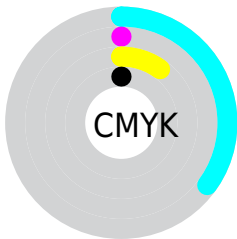
# Distribution



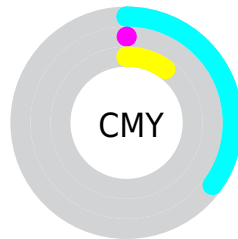
- Red (65%)
- Green (100%)
- Blue (90%)



- Red (65%)
- Yellow (85%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (35%)
- Magenta (0%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.4487, 0.2757, 0.3571 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 85.4487, 0.2757, 0.3571 by changing the saturation by 10% instead.




 85.4487, 0.2757,  
0.3571

 85.4487, 0.2757,  
0.3571


513.1116, 0.2924,  
0.3443

 64.2122, 0.2720,  
0.3600


 140.9999, 0.2814,  
0.3527

 46.8226, 0.2675,  
0.3635


 176.0834, 0.2837,  
0.3510

 32.8954, 0.2618,  
0.3680


216.5513, 0.2856,  
0.3495

 22.0463, 0.2545,  
0.3737

262.7881, 0.2873,  
0.3482

 13.8909, 0.2448,  
0.3815

315.1782, 0.2888,  
0.3470

 8.0449, 0.2313,  
0.3924

374.1058, 0.2901,

 4.1237, 0.2113,

0.3460

0.4091

439.9555, 0.2913,  
0.3451

1.7430, 0.1773,  
0.4380

0.4513, 0.0000,  
0.6522

85.4487, 0.2757,  
0.3571

85.4487, 0.2757,  
0.3571

82.5369, 0.2671,  
0.3668

88.9148, 0.2855,  
0.3481

80.1620, 0.2600,  
0.3770

92.9802, 0.2962,  
0.3397

78.2831, 0.2547,  
0.3876

97.6677, 0.3075,  
0.3322

76.8595, 0.2514,  
0.3985

100.0000, 0.3127,  
0.3290

■ 75.8444, 0.2500,  
0.4094

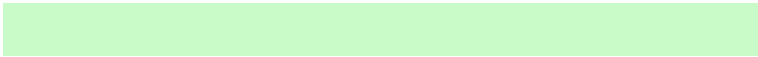
■ 75.1798, 0.2507,  
0.4202

■ 74.9197, 0.2517,  
0.4260

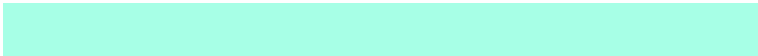
# Harmonies

## Analogous

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



85.4487, 0.3095, 0.3849



85.4487, 0.2757, 0.3571



85.4487, 0.2525, 0.3217

# Triad

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



85.4487, 0.2757, 0.3571



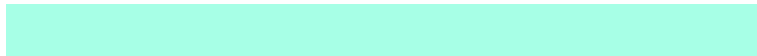
85.4487, 0.2779, 0.2699



85.4487, 0.3856, 0.3607

# Complementary

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



85.4487, 0.2757, 0.3571



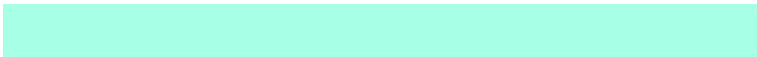
52.6886, 0.3713, 0.3030

# 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.



85.4487, 0.3766, 0.3310



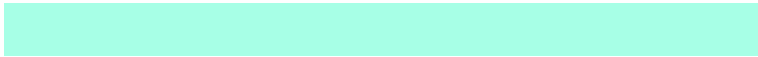
85.4487, 0.2757, 0.3571



85.4487, 0.3125, 0.2807

# Square

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



85.4487, 0.2757, 0.3571



85.4487, 0.2538, 0.2731



85.4487, 0.3492, 0.3025

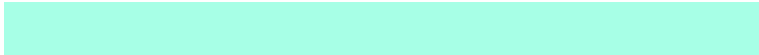


85.4487, 0.3738, 0.3845



# Rectangle

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



85.4487, 0.2757, 0.3571



85.4487, 0.2455, 0.3001



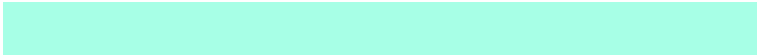
85.4487, 0.3492, 0.3025



85.4487, 0.3850, 0.3511

# Sweetspot

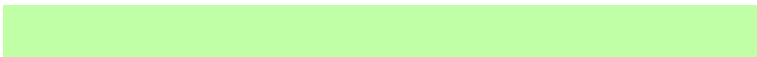
The Sweet Spot groups the original color and five complimentary colors.



85.4437, 0.2757, 0.3571



95.0224, 0.3012, 0.3362



85.6953, 0.3238, 0.4281



20.2000, 0.2997, 0.3373



0.0000, 0.0000, 0.0000

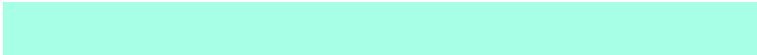


21.4041, 0.3127, 0.3290

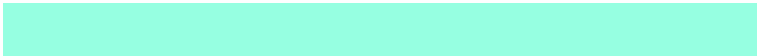


# Same Dimension

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



85.4437, 0.2757, 0.3571



83.4990, 0.2700, 0.3633



76.2274, 0.2611, 0.3092



20.3883, 0.3018, 0.3358



39.1741, 0.2512, 0.4242



3.8330, 0.2478, 0.4120



# Inverse Universe

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



52.6886, 0.3713, 0.3030



46.5184, 0.3875, 0.2981



58.5670, 0.3887, 0.3477



18.0719, 0.3249, 0.3223



11.3784, 0.5824, 0.2982

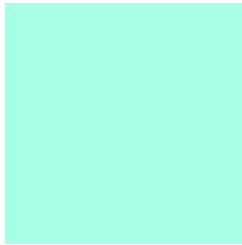


1.1257, 0.5504, 0.2806



# Previews

## White Background



This preview shows how the Yxy color 85.4487, 0.2757, 0.3571 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

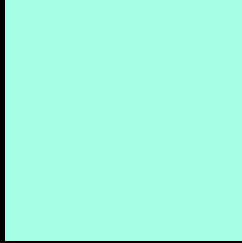
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.4487, 0.2757, 0.3571 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

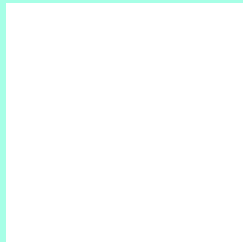
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.4487, 0.2757, 0.3571**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.4487, 0.2757, 0.3571.

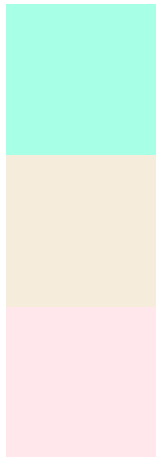


This preview shows how white text looks on a background with the Yxy color 85.4487, 0.2757, 0.3571.

# 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

85.4487, 0.2757, 0.3571

### Protanopia

84.5707, 0.3290, 0.3453

### Deuteranopia

84.4680, 0.3260, 0.3241



## Tritanopia

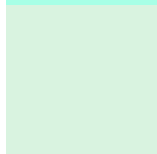
85.1868, 0.2837, 0.3174

# Trichromacy



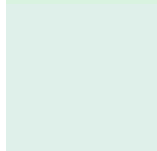
## Original Color

85.4487, 0.2757, 0.3571



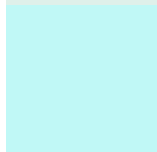
## Protanomaly

84.2347, 0.3073, 0.3492



## Deuteranomaly

83.9487, 0.3053, 0.3352



## Tritanomaly

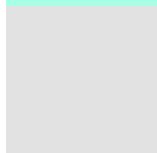
84.9951, 0.2802, 0.3311

# Monochromacy



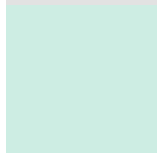
## Original Color

85.4487, 0.2757, 0.3571



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

79.0936, 0.2979, 0.3399

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  85.4487, 0.2757, 0.3571 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(167, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 230)  
}
```

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(167, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 85.4487, 0.2757, 0.3571 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(167, 255, 230) }
```

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

```
.border{ border-color:rgb(167, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(167, 255,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.4487, 0.2757, 0.3571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 255, 230) }
```

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

```
.background{ background-color: rgb(167,  
255, 230) }
```

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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