

# Converting Colors

$Yxy(97.4505, 0.2757, 0.3710)$

Have a look what the booklet for  
Yxy(97.4505, 0.2757, 0.3710)  
contains.

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# Color

**Yxy(85.6760, 0.2738, 0.3524)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7FFEA
RGB	167, 255, 234
RGB Percent	65%, 100%, 92%
CMY	0.3446, 0.0001, 0.0823
CMYK	0.34, 0.00, 0.08, 0.00
HSL	166°, 100%, 83%
HSV	166°, 34%, 100%
XYZ	66.5667, 85.6760, 90.8788
YIQ	226.2940, -45.7070, -25.1870

# Conversions

## Conversions Part 2

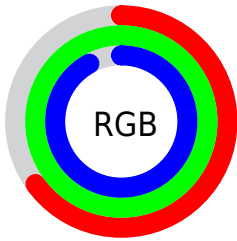
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 217, 255
Decimal	11010026
CIELab	94.17, -30.86, 1.65
CIElCh	94, 30.903, 176.942
Yxy	85.6760, 0.2738, 0.3524
Android (android.graphics.Color)	4289200106 (0xFFA7FFEA)
YUV	226.2940, 3.7991, -52.0008
Hunter-Lab	92.5613, -33.6118, 6.5807

# Details

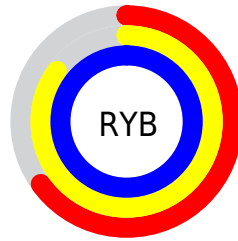
The Yxy color **85.6760, 0.2738, 0.3524** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.5718, 0.3749, 0.3072**, and the grayscale version is **76.2938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **46.9820, 0.2653, 0.3583** is the 20% darker color. If you saturate the color by 10%, you get **82.8245, 0.2648, 0.3604**, and if you desaturate by 10%, it is **89.0941, 0.2841, 0.3449**.

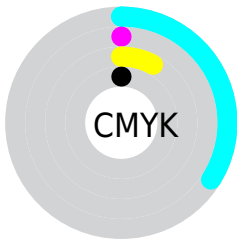
# Distribution



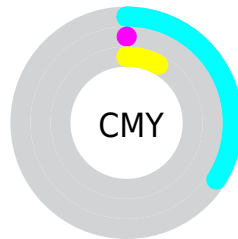
- Red (65%)
- Green (100%)
- Blue (92%)



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



- Cyan (34%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (34%)
- Magenta (0%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.6760, 0.2738, 0.3524 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 85.6760, 0.2738, 0.3524 by changing the saturation by 10% instead.




 85.6760, 0.2738,  
0.3524


 85.6760, 0.2738,  
0.3524


513.8623, 0.2913,  
0.3418

 64.4001, 0.2699,  
0.3548


 141.3173, 0.2798,  
0.3488

 46.9748, 0.2652,  
0.3576

 176.4514, 0.2821,  
0.3474

 33.0157, 0.2593,  
0.3612


216.9738, 0.2841,  
0.3461

 22.1385, 0.2518,  
0.3659

263.2687, 0.2859,  
0.3451

 13.9587, 0.2418,  
0.3721

315.7206, 0.2875,  
0.3441

 8.0919, 0.2280,  
0.3807

374.7139, 0.2889,


 4.1538, 0.2076,


0.3433

0.3936


440.6330, 0.2901,  
0.3425


 1.7600, 0.1742,  
0.4153

 0.4620, 0.0000,  
0.5437


 85.6760, 0.2738,  
0.3524


 85.6760, 0.2738,  
0.3524


 82.8245, 0.2648,  
0.3604

 89.0941, 0.2841,  
0.3449

 80.4967, 0.2573,  
0.3689

 93.0981, 0.2954,  
0.3379

 78.6602, 0.2516,  
0.3777

 97.7192, 0.3073,  
0.3316

 77.2747, 0.2478,  
0.3866

99.9900, 0.3127,  
0.3290

■ 76.2934, 0.2461,  
0.3956

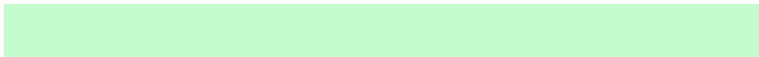
■ 75.6585, 0.2463,  
0.4045

■ 75.4108, 0.2471,  
0.4094

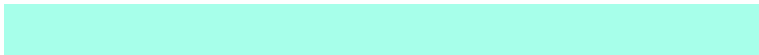
# Harmonies

## Analogous

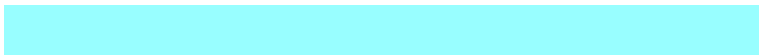
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6760, 0.3058, 0.3806



85.6760, 0.2738, 0.3524



85.6760, 0.2528, 0.3182

# Triad

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



85.6760, 0.2738, 0.3524



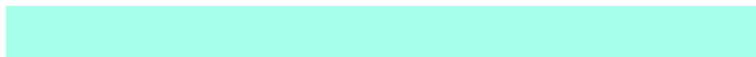
85.6760, 0.2824, 0.2724



85.6760, 0.3828, 0.3627

# Complementary

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



85.6760, 0.2738, 0.3524



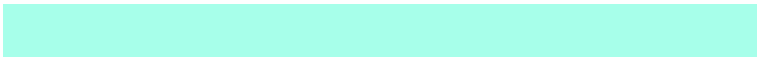
52.5718, 0.3749, 0.3072

# 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.



85.6760, 0.3763, 0.3343



85.6760, 0.2738, 0.3524



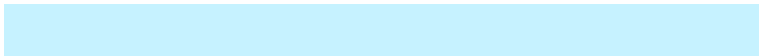
85.6760, 0.3167, 0.2841

# Square

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



85.6760, 0.2738, 0.3524



85.6760, 0.2576, 0.2739



85.6760, 0.3516, 0.3062

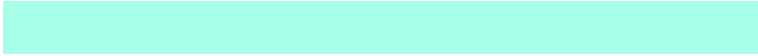


85.6760, 0.3694, 0.3846



# Rectangle

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



85.6760, 0.2738, 0.3524



85.6760, 0.2472, 0.2981



85.6760, 0.3516, 0.3062



85.6760, 0.3829, 0.3536

# Sweetspot

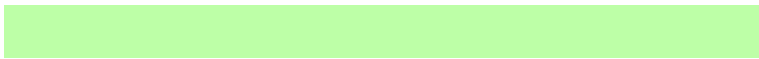
The Sweet Spot groups the original color and five complimentary colors.



85.6795, 0.2738, 0.3524



95.0946, 0.3006, 0.3350



85.1339, 0.3210, 0.4287



20.2175, 0.2989, 0.3359



0.0000, 0.0000, 0.0000

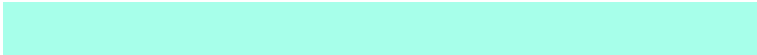


21.4041, 0.3127, 0.3290

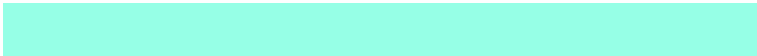


# Same Dimension

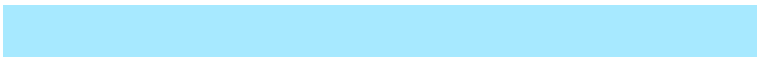
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6795, 0.2738, 0.3524



83.7626, 0.2677, 0.3576



73.7348, 0.2605, 0.3042



20.4030, 0.3012, 0.3347



39.4338, 0.2467, 0.4079



3.8565, 0.2438, 0.3978



# Inverse Universe

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



52.5718, 0.3749, 0.3072



46.3276, 0.3925, 0.3031



60.4824, 0.3869, 0.3522



18.0581, 0.3257, 0.3233



11.3033, 0.5970, 0.3063

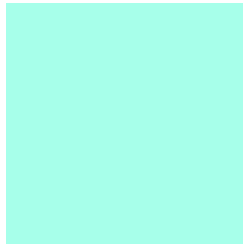


1.1167, 0.5659, 0.2891



# Previews

## White Background



This preview shows how the Yxy color 85.6760, 0.2738, 0.3524 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

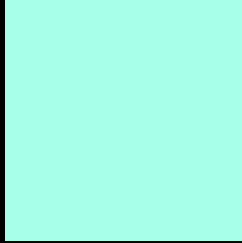
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.6760, 0.2738, 0.3524 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 85.6760, 0.2738, 0.3524**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.6760, 0.2738, 0.3524.

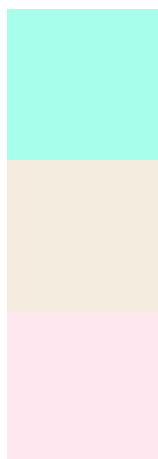


This preview shows how white text looks on a background with the Yxy color 85.6760, 0.2738, 0.3524.

# 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

85.6760, 0.2738, 0.3524

### Protanopia

84.7852, 0.3264, 0.3412

### Deuteranopia

84.6438, 0.3240, 0.3212



## Tritanopia

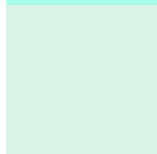
85.3313, 0.2843, 0.3175

# Trichromacy



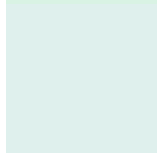
## Original Color

85.6760, 0.2738, 0.3524



## Protanomaly

84.4543, 0.3049, 0.3449



## Deuteranomaly

84.1226, 0.3035, 0.3321



## Tritanomaly

85.1877, 0.2802, 0.3300

# Monochromacy



## Original Color

85.6760, 0.2738, 0.3524



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

79.2047, 0.2967, 0.3377

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.6760, 0.2738, 0.3524 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 85.6760, 0.2738, 0.3524 is called "border". The border property can be set on classes, ids or directly on the HTML element.

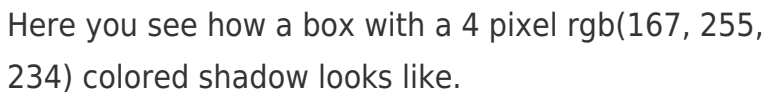
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 255, 234) }
```

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

```
.border{ border-color:rgb(167, 255, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 255, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 255, 234); box-shadow:4px 4px 4px 4px rgb(167, 255, 234) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.6760, 0.2738, 0.3524 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, 234) }
```

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

```
.background{ background-color: rgb(167,  
255, 234) }
```

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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