

# Converting Colors

$Yxy(85.2715, 0.2786, 0.3671)$

Have a look what the booklet for  
Yxy(85.2715, 0.2786, 0.3671)  
contains.

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# Color

**Yxy(84.7933, 0.2787, 0.3665)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5FFDE
RGB	165, 255, 222
RGB Percent	65%, 100%, 87%
CMY	0.3525, 0.0001, 0.1293
CMYK	0.35, 0.00, 0.13, 0.00
HSL	158°, 100%, 82%
HSV	158°, 35%, 100%
XYZ	64.4799, 84.7933, 82.0864
YIQ	224.3280, -43.0470, -29.3430

# Conversions

## Conversions Part 2

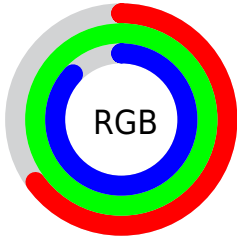
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 220, 255
Decimal	10878942
CIELab	93.79, -33.91, 7.27
CIElCh	94, 34.683, 167.894
Yxy	84.7933, 0.2787, 0.3665
Android (android.graphics.Color)	4289069022 (0xFFA5FFDE)
YUV	224.3280, -1.1477, -52.0307
Hunter-Lab	92.0833, -36.1538, 11.6050

# Details

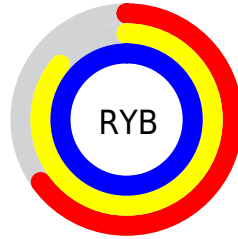
The Yxy color **84.7933, 0.2787, 0.3665** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.2876, 0.3660, 0.2948**, and the grayscale version is **74.8385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **46.4294, 0.2707, 0.3755** is the 20% darker color. If you saturate the color by 10%, you get **81.8396, 0.2710, 0.3793**, and if you desaturate by 10%, it is **88.3269, 0.2875, 0.3546**.

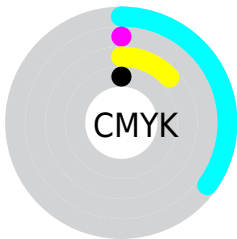
# Distribution



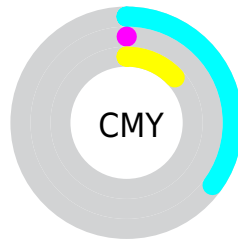
- Red (65%)
- Green (100%)
- Blue (87%)



- Red (65%)
- Yellow (86%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (35%)
- Magenta (0%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.7933, 0.2787, 0.3665 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 84.7933, 0.2787, 0.3665 by changing the saturation by 10% instead.




 84.7933, 0.2787,  
0.3665


 84.7933, 0.2787,  
0.3665


510.9439, 0.2942,  
0.3492

 63.6706, 0.2752,  
0.3704


 140.0843, 0.2840,  
0.3605

 46.3839, 0.2709,  
0.3753

 175.0215, 0.2861,  
0.3582

 32.5489, 0.2656,  
0.3815


215.3322, 0.2879,  
0.3561

 21.7811, 0.2586,  
0.3896

261.4010, 0.2895,  
0.3544

 13.6961, 0.2493,  
0.4005

313.6121, 0.2909,  
0.3529

 7.9096, 0.2362,  
0.4163

372.3501, 0.2921,

 4.0372, 0.2163,

0.3515

0.4408

437.9992, 0.2932,  
0.3503

■ 1.6944, 0.1789,  
0.4862

■ 0.4200, 0.0000,  
1.0000

■ 84.7933, 0.2787,  
0.3665

■ 84.7933, 0.2787,  
0.3665

■ 81.8396, 0.2710,  
0.3793

■ 88.3269, 0.2875,  
0.3546

■ 79.4224, 0.2648,  
0.3929

■ 92.4603, 0.2971,  
0.3437

■ 77.5088, 0.2603,  
0.4070

■ 97.2252, 0.3073,  
0.3338

■ 76.0575, 0.2578,  
0.4214

99.9909, 0.3127,  
0.3290

■ 75.0207, 0.2573,  
0.4358

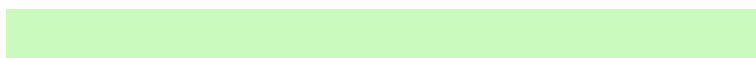
■ 74.3393, 0.2589,  
0.4499

■ 74.1001, 0.2601,  
0.4565

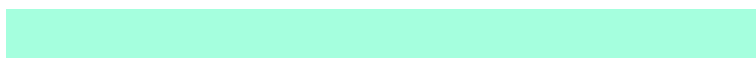
# Harmonies

## Analogous

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



84.7933, 0.3166, 0.3939



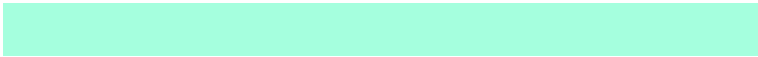
84.7933, 0.2787, 0.3665



84.7933, 0.2510, 0.3280

# Triad

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



84.7933, 0.2787, 0.3665



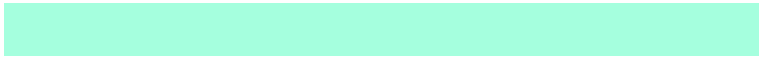
84.7933, 0.2688, 0.2646



84.7933, 0.3920, 0.3571

# Complementary

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



84.7933, 0.2787, 0.3665



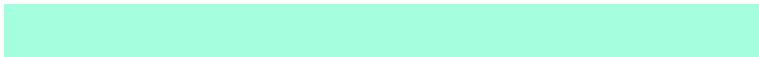
52.2876, 0.3660, 0.2948

# 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.



84.7933, 0.3779, 0.3248



84.7933, 0.2787, 0.3665



84.7933, 0.3048, 0.2736

# Square

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



84.7933, 0.2787, 0.3665



84.7933, 0.2457, 0.2708



84.7933, 0.3452, 0.2951

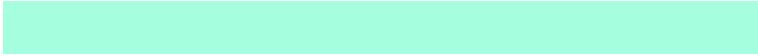


84.7933, 0.3831, 0.3850



# Rectangle

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



84.7933, 0.2787, 0.3665



84.7933, 0.2413, 0.3036



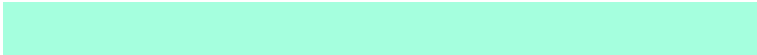
84.7933, 0.3452, 0.2951



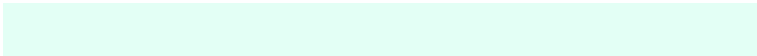
84.7933, 0.3898, 0.3465

# Sweetspot

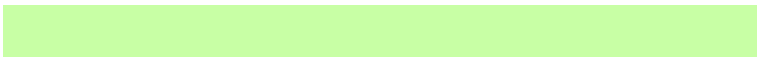
The Sweet Spot groups the original color and five complimentary colors.



84.7968, 0.2787, 0.3665



94.4177, 0.3014, 0.3393



86.4505, 0.3287, 0.4289



20.0737, 0.3000, 0.3407



0.0000, 0.0000, 0.0000

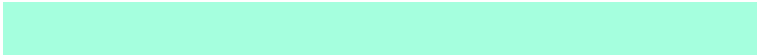


21.4041, 0.3127, 0.3290

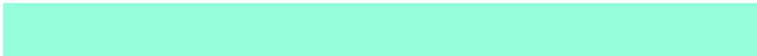


# Same Dimension

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



84.7968, 0.2787, 0.3665



82.7497, 0.2734, 0.3751



80.2328, 0.2613, 0.3172



20.3618, 0.3029, 0.3379



38.7536, 0.2595, 0.4542



3.7944, 0.2551, 0.4382



# Inverse Universe

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



52.2876, 0.3660, 0.2948



46.0043, 0.3810, 0.2882



54.8697, 0.3937, 0.3403



18.0972, 0.3236, 0.3203



11.5529, 0.5518, 0.2813

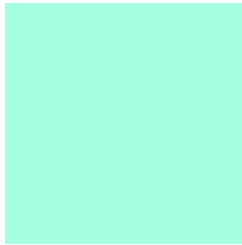


1.1450, 0.5206, 0.2642



# Previews

## White Background



This preview shows how the Yxy color 84.7933, 0.2787, 0.3665 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

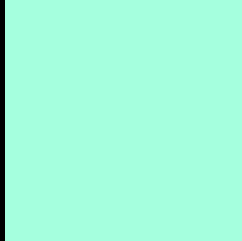
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.7933, 0.2787, 0.3665 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 84.7933, 0.2787, 0.3665**

## Background



This preview shows how black text looks on a background with the Yxy color 84.7933, 0.2787, 0.3665.

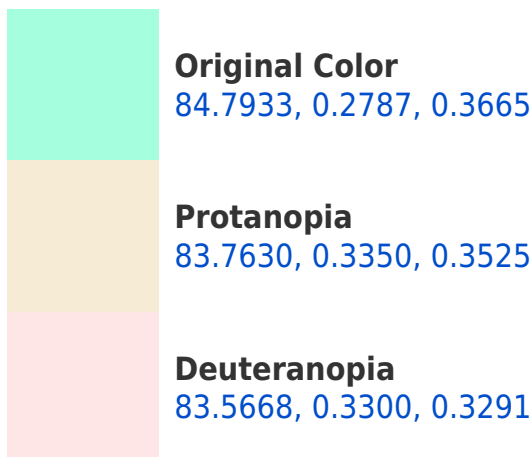


This preview shows how white text looks on a background with the Yxy color 84.7933, 0.2787, 0.3665.

# 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





## Tritanopia

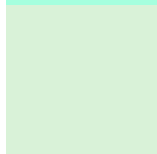
84.1586, 0.2819, 0.3163

# Trichromacy



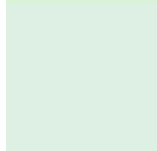
## Original Color

84.7933, 0.2787, 0.3665



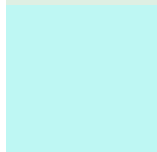
## Protanomaly

83.2138, 0.3121, 0.3569



## Deuteranomaly

82.8087, 0.3088, 0.3417



## Tritanomaly

83.9397, 0.2806, 0.3332

# Monochromacy



## Original Color

84.7933, 0.2787, 0.3665



## Achromatopsia

74.5404, 0.3127, 0.3290



## Achromatomaly

77.4409, 0.2990, 0.3422

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.7933, 0.2787, 0.3665 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(165, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 222)  
}
```

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(165, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 84.7933, 0.2787, 0.3665 is called "border". The border property can be set on classes, ids or directly on the HTML element.

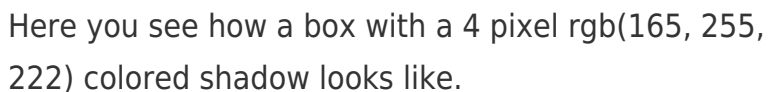
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 255, 222) }
```

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

```
.border{ border-color:rgb(165, 255, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 255, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 255, 222); box-shadow:4px 4px 4px 4px rgb(165, 255, 222) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.7933, 0.2787, 0.3665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 255, 222) }
```

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

```
.background{ background-color: rgb(165,  
255, 222) }
```

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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