

# Converting Colors

$Yxy(83.5517, 0.2926, 0.3988)$

Have a look what the booklet for  
Yxy(83.5517, 0.2926, 0.3988)  
contains.

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# Color

**Yxy(83.5671, 0.2929, 0.3990)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6FFC3
RGB	166, 255, 195
RGB Percent	65%, 100%, 76%
CMY	0.3488, 0.0000, 0.2353
CMYK	0.35, 0.00, 0.24, 0.00
HSL	140°, 100%, 83%
HSV	140°, 35%, 100%
XYZ	61.3454, 83.5671, 64.5289
YIQ	221.5490, -33.7840, -37.5280

# Conversions

## Conversions Part 2

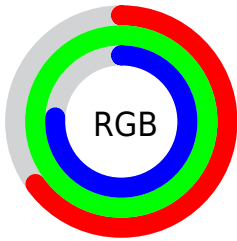
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 233, 255
Decimal	10944451
CIELab	93.26, -38.86, 20.39
CIELCh	93, 43.882, 152.314
Yxy	83.5671, 0.2929, 0.3990
Android (android.graphics.Color)	4289134531 (0xFFA6FFC3)
YUV	221.5490, -13.0887, -48.7165
Hunter-Lab	91.4150, -40.1913, 22.1384

# Details

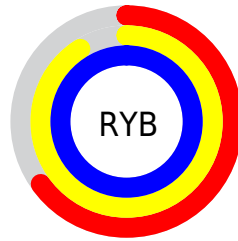
The Yxy color **83.5671, 0.2929, 0.3990** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.0464, 0.3406, 0.2683**, and the grayscale version is **72.8348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2363, 0.2951, 0.3320**, and **45.6908, 0.2879, 0.4169** is the 20% darker color. If you saturate the color by 10%, you get **80.3476, 0.2883, 0.4236**, and if you desaturate by 10%, it is **87.4296, 0.2982, 0.3762**.

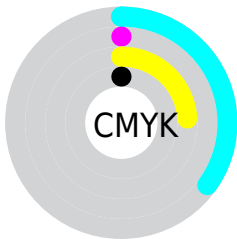
# Distribution



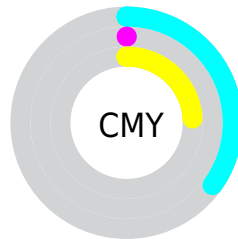
- Red (65%)
- Green (100%)
- Blue (76%)



- Red (65%)
- Yellow (91%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (35%)
- Magenta (0%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5671, 0.2929, 0.3990 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 83.5671, 0.2929, 0.3990 by changing the saturation by 10% instead.



 83.5671, 0.2929,  
0.3990


 83.5671, 0.2929,  
0.3990


506.8746, 0.3026,  
0.3658

 62.6581, 0.2905,  
0.4067


 138.3695, 0.2964,  
0.3873

 45.5647, 0.2876,  
0.4164


 173.0316, 0.2977,  
0.3829

 31.9024, 0.2837,  
0.4288


213.0469, 0.2988,  
0.3790

 21.2870, 0.2785,  
0.4451

258.7997, 0.2998,  
0.3757

 13.3339, 0.2710,  
0.4678

310.6745, 0.3006,  
0.3728

 7.6589, 0.2597,  
0.5010

369.0557, 0.3014,

 3.8775, 0.2406,

0.3702

0.5537

434.3276, 0.3020,  
0.3679

■ 1.6053, 0.2008,  
0.7214

■ 0.3611, 0.0000,  
1.0000

■ 83.5671, 0.2929,  
0.3990

■ 83.5671, 0.2929,  
0.3990

■ 80.3476, 0.2883,  
0.4236

■ 87.4296, 0.2982,  
0.3762

■ 77.7251, 0.2848,  
0.4495

■ 91.9572, 0.3039,  
0.3556

■ 75.6640, 0.2826,  
0.4760

■ 97.1839, 0.3098,  
0.3372

■ 74.1206, 0.2820,  
0.5018

99.9968, 0.3127,  
0.3290

■ 73.0439, 0.2833,  
0.5260

■ 72.3722, 0.2861,  
0.5471

■ 72.1413, 0.2880,  
0.5566

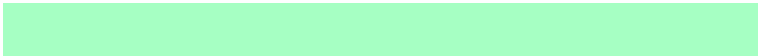
# Harmonies

## Analogous

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



83.5671, 0.3427, 0.4203



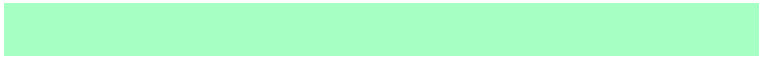
83.5671, 0.2929, 0.3990



83.5671, 0.2506, 0.3535

# Triad

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



83.5671, 0.2929, 0.3990



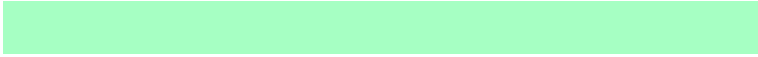
83.5671, 0.2402, 0.2499



83.5671, 0.4081, 0.3420

# Complementary

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



83.5671, 0.2929, 0.3990



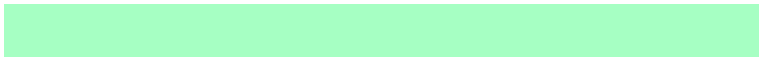
54.0464, 0.3406, 0.2683

# 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.



83.5671, 0.3762, 0.3030



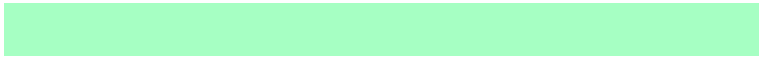
83.5671, 0.2929, 0.3990



83.5671, 0.2772, 0.2521

# Square

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



83.5671, 0.2929, 0.3990



83.5671, 0.2223, 0.2671



83.5671, 0.3269, 0.2712

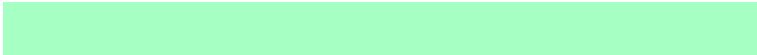


83.5671, 0.4114, 0.3811



# Rectangle

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



83.5671, 0.2929, 0.3990



83.5671, 0.2318, 0.3196



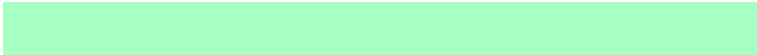
83.5671, 0.3269, 0.2712



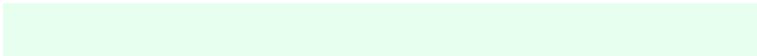
83.5671, 0.4003, 0.3286

# Sweetspot

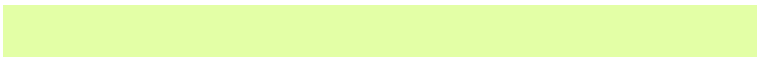
The Sweet Spot groups the original color and five complimentary colors.



83.5706, 0.2929, 0.3990



94.4217, 0.3068, 0.3464



90.5757, 0.3462, 0.4222



20.0547, 0.3060, 0.3490



0.0000, 0.0000, 0.0000

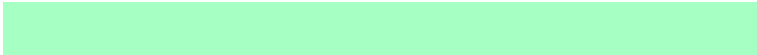


21.4041, 0.3127, 0.3290

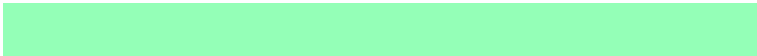


# Same Dimension

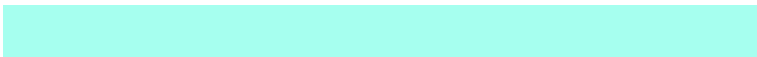
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5706, 0.2929, 0.3990



81.2155, 0.2895, 0.4164



85.8438, 0.2710, 0.3471



20.2656, 0.3071, 0.3455



37.7213, 0.2871, 0.5537



3.6919, 0.2809, 0.5311



# Inverse Universe

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



54.0464, 0.3406, 0.2683



47.5832, 0.3483, 0.2559



51.9452, 0.3807, 0.3121



18.1939, 0.3188, 0.3131



12.6938, 0.4246, 0.2113

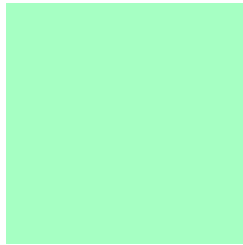


1.2560, 0.4098, 0.2031



# Previews

## White Background



This preview shows how the Yxy color 83.5671, 0.2929, 0.3990 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

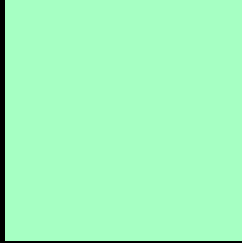
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.5671, 0.2929, 0.3990 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

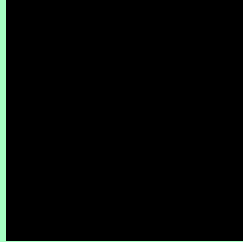
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.5671, 0.2929, 0.3990**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.5671, 0.2929, 0.3990.

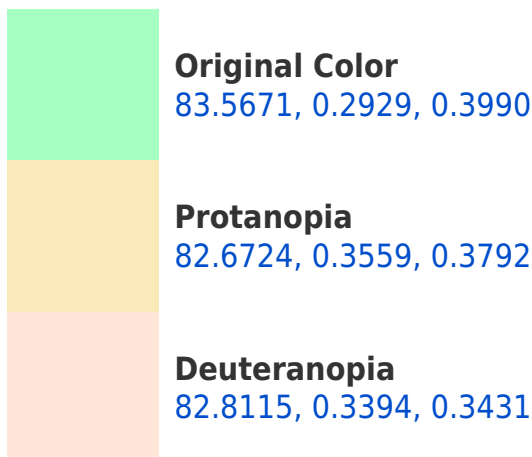


This preview shows how white text looks on a background with the Yxy color 83.5671, 0.2929, 0.3990.

# 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

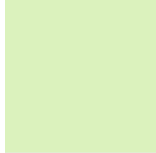
83.2808, 0.2807, 0.3152

# Trichromacy



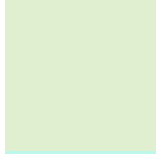
## Original Color

83.5671, 0.2929, 0.3990



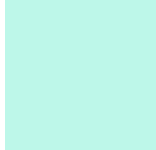
## Protanomaly

82.2385, 0.3298, 0.3866



## Deuteranomaly

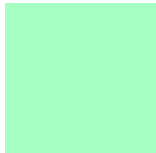
81.9750, 0.3211, 0.3622



## Tritanomaly

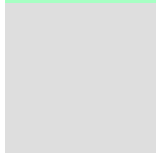
83.2235, 0.2853, 0.3443

# Monochromacy



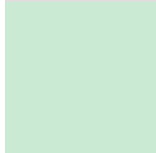
## Original Color

83.5671, 0.2929, 0.3990



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

76.1557, 0.3049, 0.3536

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.5671, 0.2929, 0.3990 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(166, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(166, 255, 195)  
}
```

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(166, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 83.5671, 0.2929, 0.3990 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(166, 255, 195) }
```

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

```
.border{ border-color:rgb(166, 255, 195) }
```

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

Here you see how a box with a 4 pixel rgb(166, 255, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(166, 255,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.5671, 0.2929, 0.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 255, 195) }
```

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

```
.background{ background-color: rgb(166,  
255, 195) }
```

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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