

# Converting Colors

$Yxy(83.1159, 0.2769, 0.3776)$

Have a look what the booklet for  
Yxy(83.1159, 0.2769, 0.3776)  
contains.

<b>Yxy(83.0964, 0.2771, 0.3781)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(83.0964, 0.2771, 0.3781)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99FFD5
RGB	153, 255, 213
RGB Percent	60%, 100%, 84%
CMY	0.4002, 0.0000, 0.1647
CMYK	0.40, 0.00, 0.16, 0.00
HSL	155°, 100%, 80%
HSV	155°, 40%, 100%
XYZ	60.8993, 83.0964, 75.7779
YIQ	219.7140, -47.3100, -34.6860

# Conversions

## Conversions Part 2

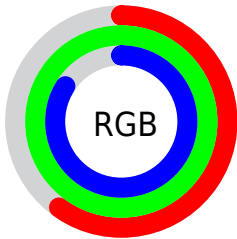
Format	Color
<a href="#">RYB</a>	<a href="#">153, 217, 255</a>
Decimal	<a href="#">10092501</a>
CIELab	<a href="#">93.06, -39.02, 10.79</a>
CIELCh	<a href="#">93, 40.486, 164.543</a>
Yxy	<a href="#">83.0964, 0.2771, 0.3781</a>
Android (android.graphics.Color)	<a href="#">4288282581 (0xFF99FFD5)</a>
YUV	<a href="#">219.7140, -3.3100, -58.5082</a>
Hunter-Lab	<a href="#">91.1572, -40.2749, 14.5230</a>

# Details

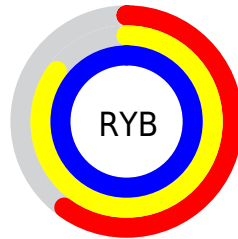
The Yxy color **83.0964, 0.2771, 0.3781** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.9638, 0.3718, 0.2855**, and the grayscale version is **71.3967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **45.3436, 0.2689, 0.3909** is the 20% darker color. If you saturate the color by 10%, you get **80.3548, 0.2705, 0.3930**, and if you desaturate by 10%, it is **86.3926, 0.2849, 0.3641**.

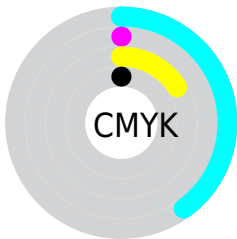
# Distribution



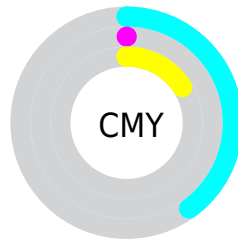
- Red (60%)
- Green (100%)
- Blue (84%)



- Red (60%)
- Yellow (85%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0964, 0.2771, 0.3781 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 83.0964, 0.2771, 0.3781 by changing the saturation by 10% instead.




 83.0964, 0.2771,  
0.3781


 83.0964, 0.2771,  
0.3781


505.3077, 0.2935,  
0.3551

 62.2697, 0.2734,  
0.3834


 137.7105, 0.2828,  
0.3701

 45.2506, 0.2687,  
0.3900


 172.2666, 0.2850,  
0.3670

 31.6549, 0.2629,  
0.3984


212.1680, 0.2869,  
0.3643

 21.0980, 0.2553,  
0.4094

257.7991, 0.2886,  
0.3620

 13.1957, 0.2450,  
0.4246

309.5442, 0.2901,  
0.3600

 7.5634, 0.2303,  
0.4467

367.7877, 0.2914,


 3.8169, 0.2076,


0.3582

0.4818


432.9141, 0.2925,  
0.3566


 1.5717, 0.1498,  
0.5588


 0.3384, 0.0000,  
1.0000


 83.0964, 0.2771,  
0.3781


 83.0964, 0.2771,  
0.3781


 80.3548, 0.2705,  
0.3930


 86.3926, 0.2849,  
0.3641

 78.1480, 0.2655,  
0.4088

 90.2901, 0.2937,  
0.3512

 76.4323, 0.2623,  
0.4250

 94.8131, 0.3030,  
0.3395

 75.1635, 0.2611,  
0.4413

99.9891, 0.3127,  
0.3290

■ 74.2888, 0.2620,  
0.4573

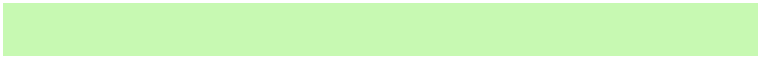
100.0000, 0.3127,  
0.3290

■ 73.7236, 0.2647,  
0.4728

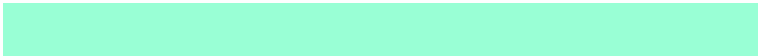
# Harmonies

## Analogous

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



83.0964, 0.3219, 0.4083



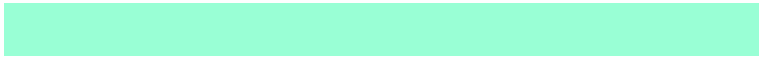
83.0964, 0.2771, 0.3781



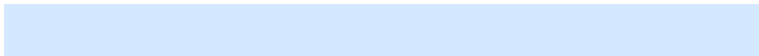
83.0964, 0.2434, 0.3325

# Triad

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



83.0964, 0.2771, 0.3781



83.0964, 0.2576, 0.2541



83.0964, 0.4055, 0.3568

# Complementary

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



83.0964, 0.2771, 0.3781



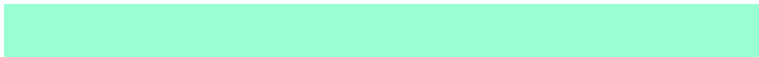
47.9638, 0.3718, 0.2855

# 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.



83.0964, 0.3861, 0.3195



83.0964, 0.2771, 0.3781



83.0964, 0.2979, 0.2629

# Square

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



83.0964, 0.2771, 0.3781



83.0964, 0.2331, 0.2629



83.0964, 0.3455, 0.2862



83.0964, 0.3975, 0.3907



# Rectangle

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



83.0964, 0.2771, 0.3781



83.0964, 0.2309, 0.3030



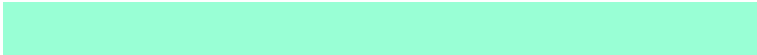
83.0964, 0.3455, 0.2862



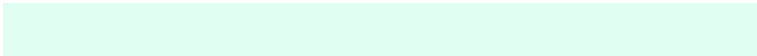
83.0964, 0.4020, 0.3443

# Sweetspot

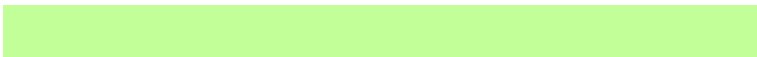
The Sweet Spot groups the original color and five complimentary colors.



83.0914, 0.2771, 0.3781



93.8665, 0.3011, 0.3418



85.4831, 0.3326, 0.4433



19.9606, 0.2999, 0.3432



0.0000, 0.0000, 0.0000

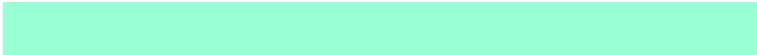


21.4041, 0.3127, 0.3290

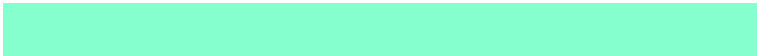


# Same Dimension

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



83.0914, 0.2771, 0.3781



80.8637, 0.2717, 0.3900



80.2009, 0.2559, 0.3193



20.3475, 0.3035, 0.3390



38.5526, 0.2640, 0.4703



3.7755, 0.2590, 0.4525



# Inverse Universe

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



47.9638, 0.3718, 0.2855



41.3437, 0.3896, 0.2772



49.2068, 0.4111, 0.3382



18.1110, 0.3229, 0.3193



11.6692, 0.5337, 0.2713

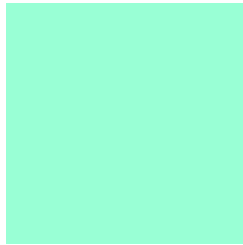


1.1573, 0.5040, 0.2550



# Previews

## White Background



This preview shows how the Yxy color 83.0964, 0.2771, 0.3781 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

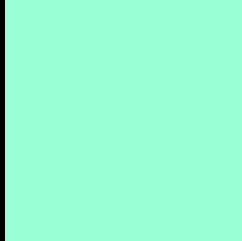
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.0964, 0.2771, 0.3781 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

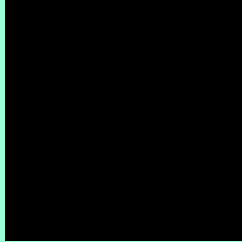
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

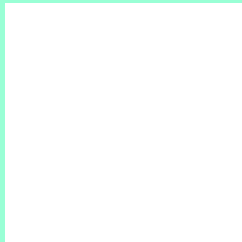
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.0964, 0.2771, 0.3781**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.0964, 0.2771, 0.3781.

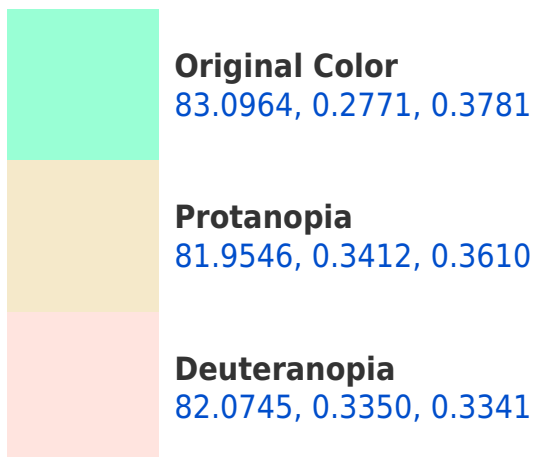


This preview shows how white text looks on a background with the Yxy color 83.0964, 0.2771, 0.3781.

# 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

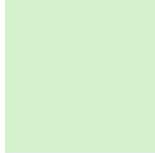
82.4600, 0.2773, 0.3151

# Trichromacy



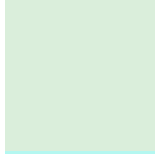
## Original Color

83.0964, 0.2771, 0.3781



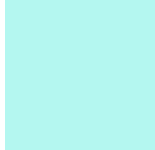
## Protanomaly

81.3639, 0.3148, 0.3673



## Deuteranomaly

81.1690, 0.3111, 0.3494



## Tritanomaly

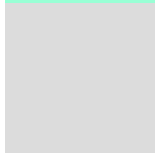
82.5161, 0.2766, 0.3366

# Monochromacy



## Original Color

83.0964, 0.2771, 0.3781



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

75.0233, 0.2980, 0.3470

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.0964, 0.2771, 0.3781 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(153, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 213)  
}
```

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(153, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 83.0964, 0.2771, 0.3781 is called "border". The border property can be set on classes, ids or directly on the HTML element.

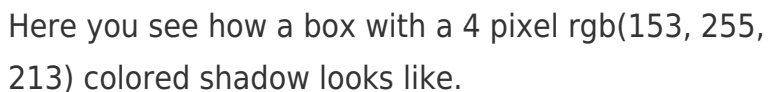
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 255, 213) }
```

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

```
.border{ border-color:rgb(153, 255, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 255, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 255, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 255, 213); box-shadow:4px 4px 4px 4px rgb(153, 255, 213) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.0964, 0.2771, 0.3781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 213) }
```

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

```
.background{ background-color: rgb(153,  
255, 213) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor