

# Converting Colors

Yxy(83.4142, 0.2741, 0.3706)

Have a look what the booklet for  
Yxy(83.4142, 0.2741, 0.3706)  
contains.

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# Color

**Yxy(83.4068, 0.2742, 0.3708)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99FFDB
RGB	153, 255, 219
RGB Percent	60%, 100%, 86%
CMY	0.4001, 0.0000, 0.1412
CMYK	0.40, 0.00, 0.14, 0.00
HSL	159°, 100%, 80%
HSV	159°, 40%, 100%
XYZ	61.6778, 83.4068, 79.8528
YIQ	220.3980, -49.2360, -32.8200

# Conversions

## Conversions Part 2

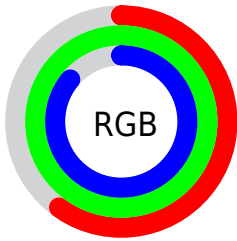
Format	Color
<a href="#">RYB</a>	<a href="#">153, 215, 255</a>
Decimal	<a href="#">10092507</a>
CIELab	<a href="#">93.19, -37.78, 7.90</a>
CIElCh	<a href="#">93, 38.595, 168.185</a>
Yxy	<a href="#">83.4068, 0.2742, 0.3708</a>
Android (android.graphics.Color)	<a href="#">4288282587 (0xFF99FFDB)</a>
YUV	<a href="#">220.3980, -0.6892, -59.1080</a>
Hunter-Lab	<a href="#">91.3273, -39.2730, 12.0884</a>

# Details

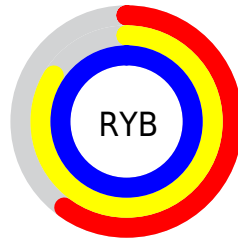
The Yxy color **83.4068, 0.2742, 0.3708** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.7101, 0.3778, 0.2916**, and the grayscale version is **71.8870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **45.5553, 0.2654, 0.3812** is the 20% darker color. If you saturate the color by 10%, you get **80.7211, 0.2670, 0.3834**, and if you desaturate by 10%, it is **86.6425, 0.2827, 0.3589**.

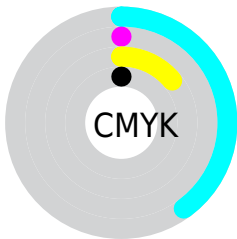
# Distribution



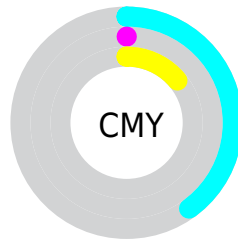
- Red (60%)
- Green (100%)
- Blue (86%)



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



- Cyan (40%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.4068, 0.2742, 0.3708 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 83.4068, 0.2742, 0.3708 by changing the saturation by 10% instead.




 83.4068, 0.2742,  
0.3708


 83.4068, 0.2742,  
0.3708


506.3413, 0.2918,  
0.3514

 62.5258, 0.2702,  
0.3752


 138.1451, 0.2803,  
0.3641

 45.4577, 0.2654,  
0.3808


 172.7711, 0.2826,  
0.3614

 31.8181, 0.2592,  
0.3877


212.7477, 0.2847,  
0.3592

 21.2226, 0.2513,  
0.3969

258.4591, 0.2865,  
0.3572

 13.2868, 0.2406,  
0.4094

310.2897, 0.2881,  
0.3555

 7.6263, 0.2255,  
0.4274


368.6241, 0.2894,


 3.8568, 0.2027,


0.3540


0.4557


433.8465, 0.2907,  
0.3526


 1.5938, 0.1503,  
0.5142


 0.3534, 0.0000,  
1.0000


 83.4068, 0.2742,  
0.3708


 83.4068, 0.2742,  
0.3708


 80.7211, 0.2670,  
0.3834


 86.6425, 0.2827,  
0.3589

 78.5596, 0.2615,  
0.3967

 90.4683, 0.2921,  
0.3480

 76.8809, 0.2578,  
0.4104

 94.9104, 0.3022,  
0.3380

 75.6410, 0.2562,  
0.4243

99.9958, 0.3127,  
0.3290

■ 74.7876, 0.2566,  
0.4380

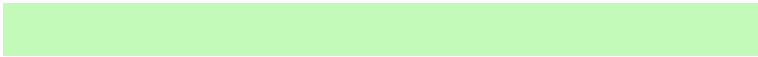
100.0000, 0.3127,  
0.3290

■ 74.2357, 0.2587,  
0.4514

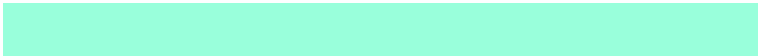
# Harmonies

## Analogous

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



83.4068, 0.3163, 0.4021



83.4068, 0.2742, 0.3708



83.4068, 0.2438, 0.3272

# Triad

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



83.4068, 0.2742, 0.3708



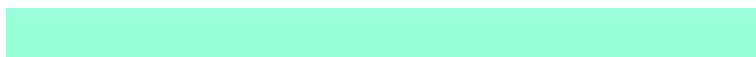
83.4068, 0.2641, 0.2576



83.4068, 0.4015, 0.3601

# Complementary

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



83.4068, 0.2742, 0.3708



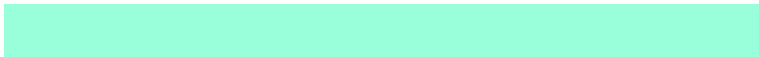
47.7101, 0.3778, 0.2916

# 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.



83.4068, 0.3861, 0.3243



83.4068, 0.2742, 0.3708



83.4068, 0.3041, 0.2678

# Square

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



83.4068, 0.2742, 0.3708



83.4068, 0.2385, 0.2640



83.4068, 0.3493, 0.2915

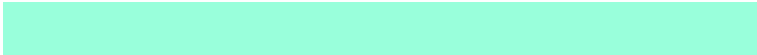


83.4068, 0.3910, 0.3914



# Rectangle

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



83.4068, 0.2742, 0.3708



83.4068, 0.2333, 0.2998



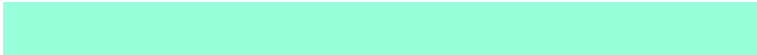
83.4068, 0.3493, 0.2915



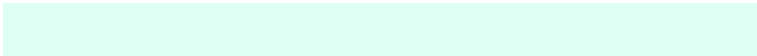
83.4068, 0.3992, 0.3483

# Sweetspot

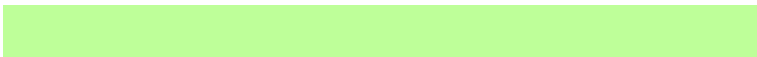
The Sweet Spot groups the original color and five complimentary colors.



83.4039, 0.2742, 0.3708



93.9749, 0.3002, 0.3399



84.8164, 0.3293, 0.4444



19.9862, 0.2988, 0.3412



0.0000, 0.0000, 0.0000

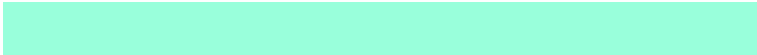


21.4041, 0.3127, 0.3290

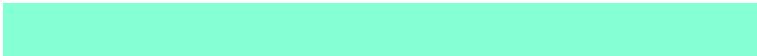


# Same Dimension

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



83.4039, 0.2742, 0.3708



81.2168, 0.2684, 0.3809



77.1365, 0.2550, 0.3135



20.3662, 0.3027, 0.3375



38.8192, 0.2581, 0.4492



3.8005, 0.2538, 0.4338



# Inverse Universe

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



47.7101, 0.3778, 0.2916



41.0529, 0.3977, 0.2845



51.0441, 0.4088, 0.3436



18.0930, 0.3238, 0.3206



11.5203, 0.5571, 0.2843

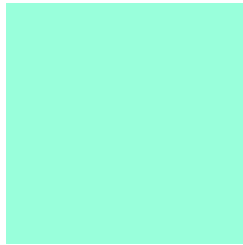


1.1415, 0.5257, 0.2669



# Previews

## White Background



This preview shows how the Yxy color 83.4068, 0.2742, 0.3708 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

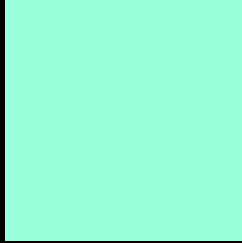
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.4068, 0.2742, 0.3708 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 83.4068, 0.2742, 0.3708**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.4068, 0.2742, 0.3708.

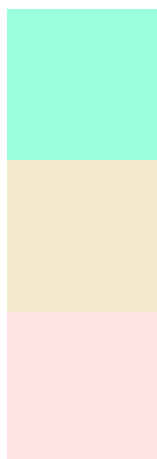


This preview shows how white text looks on a background with the Yxy color 83.4068, 0.2742, 0.3708.

# 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

83.4068, 0.2742, 0.3708

### Protanopia

82.2444, 0.3372, 0.3547

### Deuteranopia

82.2929, 0.3323, 0.3301



## Tritanopia

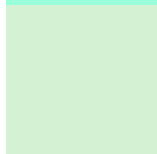
83.1915, 0.2779, 0.3162

# Trichromacy



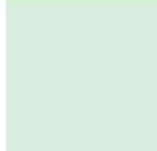
## Original Color

83.4068, 0.2742, 0.3708



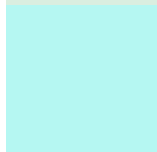
## Protanomaly

81.6611, 0.3112, 0.3606



## Deuteranomaly

81.4363, 0.3081, 0.3439



## Tritanomaly

82.7561, 0.2762, 0.3344

# Monochromacy



## Original Color

83.4068, 0.2742, 0.3708



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

75.1809, 0.2963, 0.3436

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.4068, 0.2742, 0.3708 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 83.4068, 0.2742, 0.3708 is called "border". The border property can be set on classes, ids or directly on the HTML element.

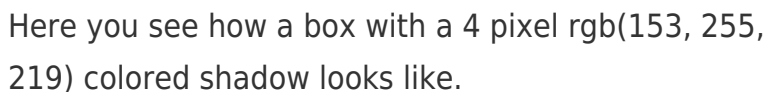
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 255, 219) }
```

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

```
.border{ border-color:rgb(153, 255, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 255, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 255, 219); box-shadow:4px 4px 4px 4px rgb(153, 255, 219) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.4068, 0.2742, 0.3708 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, 219) }
```

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

```
.background{ background-color: rgb(153,  
255, 219) }
```

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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