

# Converting Colors

$Yxy(74.9163, 0.2719, 0.3862)$

Have a look what the booklet for  
Yxy(74.9163, 0.2719, 0.3862)  
contains.

<b>Yxy(74.9070, 0.2719, 0.3862)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(74.9070, 0.2719, 0.3862)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83F6C8
RGB	131, 246, 200
RGB Percent	51%, 96%, 78%
CMY	0.4863, 0.0353, 0.2157
CMYK	0.47, 0.00, 0.19, 0.04
HSL	156°, 86%, 74%
HSV	156°, 47%, 96%
XYZ	52.7375, 74.9070, 66.3146
YIQ	206.3710, -53.7740, -38.6860

# Conversions

## Conversions Part 2

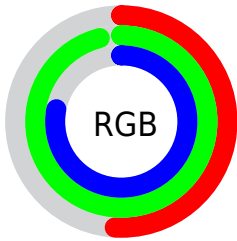
Format	Color
<a href="#">RYB</a>	<a href="#">131, 203, 246</a>
Decimal	<a href="#">8648392</a>
CIELab	<a href="#">89.35, -43.23, 12.11</a>
CIELCh	<a href="#">89, 44.893, 164.354</a>
Yxy	<a href="#">74.9070, 0.2719, 0.3862</a>
Android (android.graphics.Color)	<a href="#">4286838472 (0xFF83F6C8)</a>
YUV	<a href="#">206.3710, -3.1409, -66.1004</a>
Hunter-Lab	<a href="#">86.5488, -42.6937, 15.1556</a>

# Details

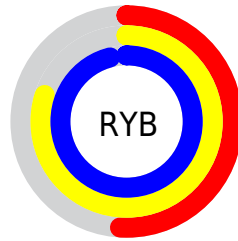
The Yxy color **74.9070, 0.2719, 0.3862** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **38.9963, 0.3880, 0.2799**, and the grayscale version is **62.0160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **39.8101, 0.2617, 0.4009** is the 20% darker color. If you saturate the color by 10%, you get **72.7283, 0.2662, 0.4012**, and if you desaturate by 10%, it is **77.5876, 0.2791, 0.3720**.

# Distribution



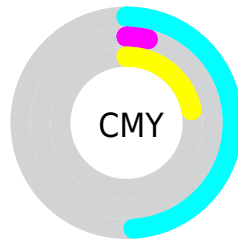
- Red (51%)
- Green (96%)
- Blue (78%)



- Red (51%)
- Yellow (80%)
- Blue (96%)



- Cyan (47%)
- Magenta (0%)
- Yellow (19%)
- Black (4%)




- Cyan (49%)
- Magenta (4%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.9070, 0.2719, 0.3862 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 74.9070, 0.2719, 0.3862 by changing the saturation by 10% instead.





 74.9070, 0.2719,  
0.3862


 74.9070, 0.2719,  
0.3862

477.5979, 0.2912,  
0.3588

 55.5367, 0.2674,  
0.3927

 126.1807, 0.2787,  
0.3765

 39.8316, 0.2618,  
0.4008


 158.8529, 0.2813,  
0.3728

 27.4073, 0.2547,  
0.4113


 196.7279, 0.2835,  
0.3696

 17.8793, 0.2453,  
0.4254

240.1900, 0.2854,  
0.3669

 10.8634, 0.2323,  
0.4451

289.6236, 0.2871,  
0.3645

 5.9750, 0.2132,  
0.4748

345.4132, 0.2886,

 2.8299, 0.1829,

0.3624

407.9432, 0.2900,  
0.3605

0.5237

1.0436, 0.0000,  
0.7881

0.0000, 0.0000,  
0.0000

74.9070, 0.2719,  
0.3862

74.9070, 0.2719,  
0.3862

72.7283, 0.2662,  
0.4012

77.5876, 0.2791,  
0.3720

71.0083, 0.2623,  
0.4167


80.7919, 0.2873,  
0.3588

69.7115, 0.2603,  
0.4325


84.5510, 0.2964,  
0.3467

68.7929, 0.2604,  
0.4482

88.8911, 0.3061,  
0.3358

 68.1952, 0.2625,  
0.4635

 93.8367, 0.3159,  
0.3259

 68.0417, 0.2634,  
0.4684

 94.3966, 0.3131,  
0.3204

# Harmonies

## Analogous

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



74.9070, 0.3229, 0.4212



74.9070, 0.2719, 0.3862



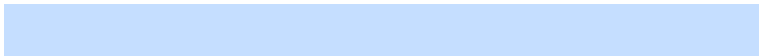
74.9070, 0.2339, 0.3329

# Triad

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



74.9070, 0.2719, 0.3862



74.9070, 0.2496, 0.2442



74.9070, 0.4192, 0.3593

# Complementary

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



74.9070, 0.2719, 0.3862



38.9963, 0.3880, 0.2799

# 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.



74.9070, 0.3968, 0.3173



74.9070, 0.2719, 0.3862



74.9070, 0.2951, 0.2541

# Square

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



74.9070, 0.2719, 0.3862



74.9070, 0.2223, 0.2537



74.9070, 0.3497, 0.2801



74.9070, 0.4097, 0.3984



# Rectangle

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



74.9070, 0.2719, 0.3862



74.9070, 0.2200, 0.2988



74.9070, 0.3497, 0.2801



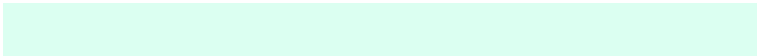
74.9070, 0.4152, 0.3452

# Sweetspot

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



74.9100, 0.2719, 0.3862



92.9606, 0.2990, 0.3436



77.1277, 0.3347, 0.4641



19.6895, 0.2970, 0.3461



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

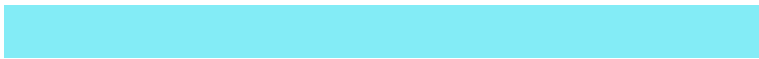
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.9100, 0.2719, 0.3862



79.0491, 0.2665, 0.4002



71.7128, 0.2484, 0.3174



18.6390, 0.3034, 0.3386



36.3437, 0.2627, 0.4659



3.2145, 0.2575, 0.4468



# Inverse Universe

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



38.9963, 0.3880, 0.2799



35.7695, 0.4117, 0.2715



40.1548, 0.4362, 0.3397



16.5924, 0.3231, 0.3196



10.9587, 0.5379, 0.2737

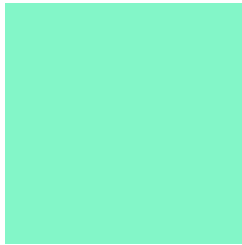


0.9829, 0.5048, 0.2554



# Previews

## White Background



This preview shows how the Yxy color 74.9070, 0.2719, 0.3862 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

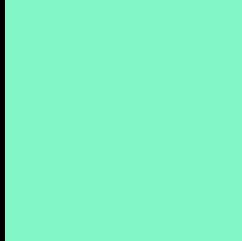
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.9070, 0.2719, 0.3862 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

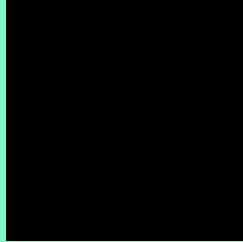
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.9070, 0.2719, 0.3862**

## Background



This preview shows how black text looks on a background with the Yxy color 74.9070, 0.2719, 0.3862.

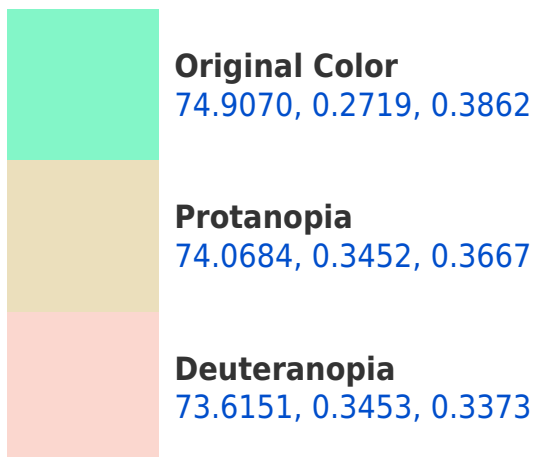


This preview shows how white text looks on a background with the Yxy color 74.9070, 0.2719, 0.3862.

# 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

74.6584, 0.2547, 0.3084

# Trichromacy



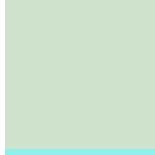
## Original Color

74.9070, 0.2719, 0.3862



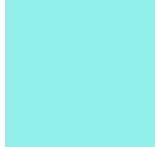
## Protanomaly

72.8279, 0.3140, 0.3741



## Deuteranomaly

72.0177, 0.3136, 0.3539



## Tritanomaly

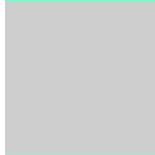
74.4293, 0.2609, 0.3347

# Monochromacy



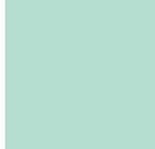
## Original Color

74.9070, 0.2719, 0.3862



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

65.6562, 0.2946, 0.3494

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.9070, 0.2719, 0.3862 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(131, 246, 200)` looks like.

```
.text, #text, p{  
    color:rgb(131, 246, 200)  
}
```

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(131, 246, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 246, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 74.9070, 0.2719, 0.3862 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(131, 246, 200) }
```

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

```
.border{ border-color:rgb(131, 246, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 246, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 246, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 246, 200);  
box-shadow:4px 4px 4px 4px rgb(131, 246,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.9070, 0.2719, 0.3862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 246, 200) }
```

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

```
.background{ background-color: rgb(131,  
246, 200) }
```

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