

# Converting Colors

$Yxy(76.0865, 0.2919, 0.4874)$

Have a look what the booklet for  
Yxy(76.0865, 0.2919, 0.4874)  
contains.

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**Color**

**Yxy(76.0970, 0.2919, 0.4873)**

# Conversions

## Conversions Part 1

Format	Color
Hex	67FF85
RGB	103, 255, 133
RGB Percent	40%, 100%, 52%
CMY	0.5963, 0.0000, 0.4784
CMYK	0.60, 0.00, 0.48, 0.00
HSL	132°, 100%, 70%
HSV	132°, 60%, 100%
XYZ	45.5832, 76.0970, 34.4802
YIQ	195.6440, -51.4300, -70.1660

# Conversions

## Conversions Part 2

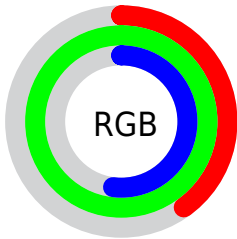
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">103, 230, 255</a>
Decimal	<a href="#">6815621</a>
CIELab	<a href="#">89.90, -65.11, 46.27</a>
CIELCh	<a href="#">90, 79.877, 144.600</a>
Yxy	<a href="#">76.0970, 0.2919, 0.4873</a>
Android (android.graphics.Color)	<a href="#">4285005701 (0xFF67FF85)</a>
YUV	<a href="#">195.6440, -30.8835, -81.2488</a>
Hunter-Lab	<a href="#">87.2336, -59.3850, 37.6284</a>

# Details

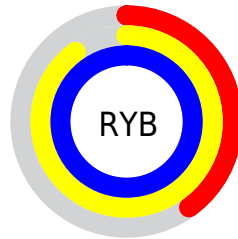
The Yxy color **76.0970, 0.2919, 0.4873** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **36.3828, 0.3487, 0.2126**, and the grayscale version is **55.1797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2578, 0.2965, 0.4076**, and **40.6051, 0.2823, 0.5309** is the 20% darker color. If you saturate the color by 10%, you get **74.2988, 0.2909, 0.5169**, and if you desaturate by 10%, it is **78.4596, 0.2941, 0.4567**.

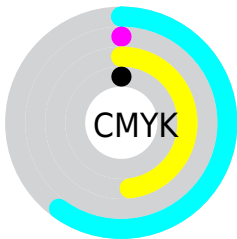
# Distribution



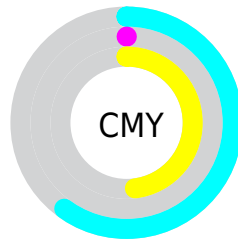
- Red (40%)
- Green (100%)
- Blue (52%)



- Red (40%)
- Yellow (90%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)



- Cyan (60%)
- Magenta (0%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.0970, 0.2919, 0.4873 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 76.0970, 0.2919, 0.4873 by changing the saturation by 10% instead.




 76.0970, 0.2919,  
0.4873

 76.0970, 0.2919,  
0.4873


481.6797, 0.3053,  
0.4087


 56.5121, 0.2878,  
0.5063


 127.8640, 0.2974,  
0.4591

 40.6136, 0.2821,  
0.5302


 160.8149, 0.2993,  
0.4484

 28.0173, 0.2740,  
0.5610


 198.9898, 0.3008,  
0.4393

 18.3387, 0.2619,  
0.6017

242.7732, 0.3020,  
0.4314

 11.1934, 0.2427,  
0.6568

292.5495, 0.3031,  
0.4246

 6.1971, 0.2132,  
0.7425


348.7031, 0.3039,


 2.9653, 0.1455,

0.4186

0.8545


411.6184, 0.3047,  
0.4134


 1.1136, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 76.0970, 0.2919,  
0.4873


 76.0970, 0.2919,  
0.4873

 74.2988, 0.2909,  
0.5169

 78.4596, 0.2941,  
0.4567


 73.0231, 0.2912,  
0.5437


 81.4382, 0.2971,  
0.4266


 72.2088, 0.2927,  
0.5659

 85.0697, 0.3007,  
0.3983

 71.7668, 0.2952,  
0.5824

 89.3901, 0.3047,  
0.3722

 71.7540, 0.2952,  
0.5829

 94.4329, 0.3088,  
0.3489

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



76.0970, 0.3796, 0.5012



76.0970, 0.2919, 0.4873



76.0970, 0.2145, 0.4008

# Triad

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



76.0970, 0.2919, 0.4873



76.0970, 0.1764, 0.1951



76.0970, 0.4812, 0.3251

# Complementary

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



76.0970, 0.2919, 0.4873



36.3828, 0.3487, 0.2126

# 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.



76.0970, 0.4084, 0.2654



76.0970, 0.2919, 0.4873



76.0970, 0.2280, 0.1943

# Square

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



76.0970, 0.2919, 0.4873



76.0970, 0.1565, 0.2269



76.0970, 0.3108, 0.2192



76.0970, 0.4960, 0.3907



# Rectangle

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



76.0970, 0.2919, 0.4873



76.0970, 0.1795, 0.3295



76.0970, 0.3108, 0.2192



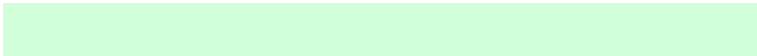
76.0970, 0.4624, 0.3043

# Sweetspot

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



76.0944, 0.2919, 0.4873



90.1611, 0.3054, 0.3683



88.8493, 0.3779, 0.4801



19.0061, 0.3042, 0.3754



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.



76.0944, 0.2919, 0.4873



73.9512, 0.2908, 0.5236



78.8982, 0.2592, 0.3889



20.2269, 0.3088, 0.3486



37.5095, 0.2946, 0.5807



3.6667, 0.2893, 0.5614



# Inverse Universe

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



36.3828, 0.3487, 0.2126



30.9159, 0.3584, 0.1969



33.1877, 0.4384, 0.2816



18.2352, 0.3168, 0.3101



13.4230, 0.3784, 0.1858

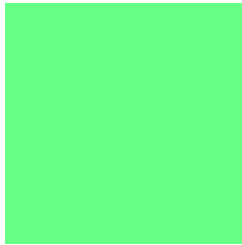


1.3219, 0.3706, 0.1815



# Previews

## White Background



This preview shows how the Yxy color 76.0970, 0.2919, 0.4873 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 76.0970, 0.2919, 0.4873 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

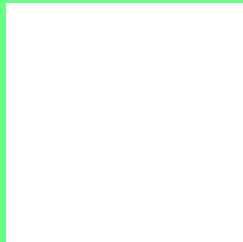
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.0970, 0.2919, 0.4873**

## Background



This preview shows how black text looks on a background with the Yxy color 76.0970, 0.2919, 0.4873.



This preview shows how white text looks on a background with the Yxy color 76.0970, 0.2919, 0.4873.

# 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

76.0970, 0.2919, 0.4873

### Protanopia

74.4906, 0.3980, 0.4326

### Deuteranopia

74.5771, 0.3696, 0.3712



## Tritanopia

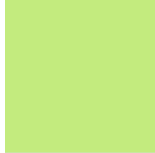
75.3376, 0.2554, 0.3096

# Trichromacy



## Original Color

76.0970, 0.2919, 0.4873



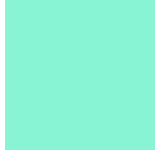
## Protanomaly

72.5251, 0.3514, 0.4553



## Deuteranomaly

72.0044, 0.3355, 0.4106



## Tritanomaly

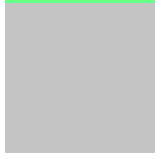
74.6388, 0.2685, 0.3694

# Monochromacy



## Original Color

76.0970, 0.2919, 0.4873



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

60.3242, 0.3024, 0.3860

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.0970, 0.2919, 0.4873 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(103, 255, 133)` looks like.

```
.text, #text, p{  
    color:rgb(103, 255, 133)  
}
```

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(103, 255, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 255, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 76.0970, 0.2919, 0.4873 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(103, 255, 133) }
```

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

```
.border{ border-color:rgb(103, 255, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 255, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 255, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 255, 133);  
box-shadow:4px 4px 4px 4px rgb(103, 255,  
133) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.0970, 0.2919, 0.4873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 255, 133) }
```

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

```
.background{ background-color: rgb(103,  
255, 133) }
```

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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