

# Converting Colors

$Y_{xy}(74.3919, 0.2835, 0.5000)$

Have a look what the booklet for  
Yxy(74.3919, 0.2835, 0.5000)  
contains.

<b>Yxy(74.3919, 0.2835, 0.5000)</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(74.3919, 0.2835, 0.5000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47FF7F
RGB	71, 255, 127
RGB Percent	28%, 100%, 50%
CMY	0.7222, 0.0000, 0.5020
CMYK	0.72, 0.00, 0.50, 0.00
HSL	138°, 100%, 64%
HSV	138°, 72%, 100%
XYZ	42.1802, 74.3919, 32.2117
YIQ	185.3920, -68.5760, -78.8160

# Conversions

## Conversions Part 2

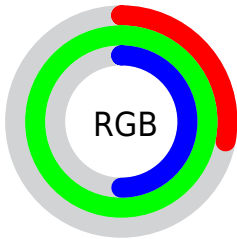
Format	Color
<a href="#">RYB</a>	<a href="#">71, 212, 255</a>
Decimal	<a href="#">4718463</a>
CIELab	<a href="#">89.11, -71.67, 47.96</a>
CIELCh	<a href="#">89, 86.231, 146.212</a>
Yxy	<a href="#">74.3919, 0.2835, 0.5000</a>
Android (android.graphics.Color)	<a href="#">4282908543 (0xFF47FF7F)</a>
YUV	<a href="#">185.3920, -28.7873, -100.3218</a>
Hunter-Lab	<a href="#">86.2507, -63.6449, 38.2327</a>

# Details

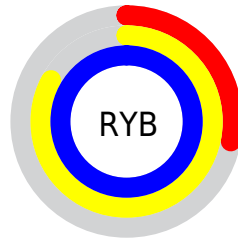
The Yxy color **74.3919, 0.2835, 0.5000** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **29.8631, 0.3827, 0.2125**, and the grayscale version is **48.9094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6482, 0.2870, 0.4181**, and **40.4269, 0.2835, 0.5405** is the 20% darker color. If you saturate the color by 10%, you get **73.1957, 0.2843, 0.5250**, and if you desaturate by 10%, it is **76.0612, 0.2844, 0.4733**.

# Distribution



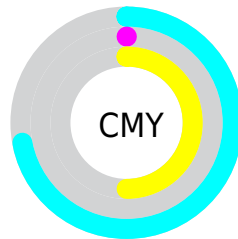
- Red (28%)
- Green (100%)
- Blue (50%)



- Red (28%)
- Yellow (83%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)




- Cyan (72%)
- Magenta (0%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.3919, 0.2835, 0.5000 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 74.3919, 0.2835, 0.5000 by changing the saturation by 10% instead.



 74.3919, 0.2835,  
0.5000

 74.3919, 0.2835,  
0.5000


475.8248, 0.3014,  
0.4143

 55.1149, 0.2782,  
0.5209

 125.4512, 0.2907,  
0.4691


 39.4937, 0.2710,  
0.5472


 158.0022, 0.2932,  
0.4574

 27.1440, 0.2608,  
0.5812


 195.7467, 0.2952,  
0.4475

 17.6814, 0.2457,  
0.6262

 239.0691, 0.2969,  
0.4389

 10.7215, 0.2223,  
0.6869

288.3537, 0.2983,  
0.4315

 5.8799, 0.1890,  
0.7900


343.9849, 0.2995,


 2.7722, 0.0861,


0.4251


0.9139


406.3472, 0.3005,  
0.4193


 1.0140, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 74.3919, 0.2835,  
0.5000


 74.3919, 0.2835,  
0.5000


 73.1957, 0.2843,  
0.5250


 76.0612, 0.2844,  
0.4733


 72.4319, 0.2867,  
0.5471


 78.2706, 0.2868,  
0.4461

 72.0665, 0.2894,  
0.5617


 81.0570, 0.2905,  
0.4197

 84.4587, 0.2951,  
0.3948

 88.5107, 0.3003,  
0.3719

 93.2451, 0.3058,  
0.3512

 98.6923, 0.3115,  
0.3328

 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.



74.3919, 0.3774, 0.5167



74.3919, 0.2835, 0.5000



74.3919, 0.2025, 0.4009

# Triad

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



74.3919, 0.2835, 0.5000



74.3919, 0.1692, 0.1849



74.3919, 0.4982, 0.3266

# Complementary

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



74.3919, 0.2835, 0.5000



29.8631, 0.3827, 0.2125

# 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.



74.3919, 0.4218, 0.2634



74.3919, 0.2835, 0.5000



74.3919, 0.2253, 0.1861

# Square

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



74.3919, 0.2835, 0.5000



74.3919, 0.1465, 0.2156



74.3919, 0.3156, 0.2137



74.3919, 0.5089, 0.3959



# Rectangle

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



74.3919, 0.2835, 0.5000



74.3919, 0.1673, 0.3224



74.3919, 0.3156, 0.2137



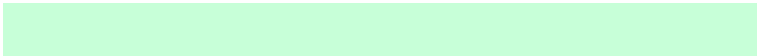
74.3919, 0.4791, 0.3046

# Sweetspot

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



74.3859, 0.2835, 0.5000



88.6066, 0.3004, 0.3714



84.2183, 0.3701, 0.5140



18.7153, 0.2990, 0.3774



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.



74.3859, 0.2835, 0.5000



72.7814, 0.2853, 0.5360



77.9245, 0.2456, 0.3751



20.2594, 0.3074, 0.3460



37.6794, 0.2886, 0.5588



3.6872, 0.2824, 0.5365



# Inverse Universe

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



29.8631, 0.3827, 0.2125



25.9592, 0.4022, 0.2055



26.8224, 0.5140, 0.2986



18.2005, 0.3185, 0.3126



12.8005, 0.4167, 0.2069

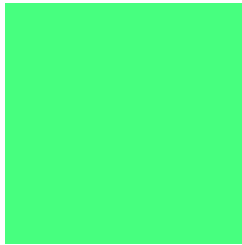


1.2658, 0.4031, 0.1994



# Previews

## White Background



This preview shows how the Yxy color 74.3919, 0.2835, 0.5000 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 74.3919, 0.2835, 0.5000 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

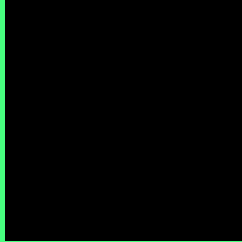
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.3919, 0.2835, 0.5000**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.3919, 0.2835, 0.5000.

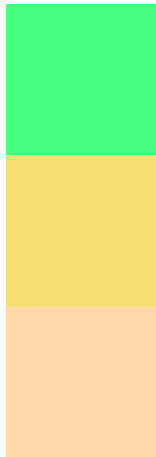


This preview shows how white text looks on a background with the Yxy color 74.3919, 0.2835, 0.5000.

# 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

74.3919, 0.2835, 0.5000

### Protanopia

72.9160, 0.4010, 0.4368

### Deuteranopia

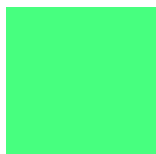
72.7255, 0.3764, 0.3765



## Tritanopia

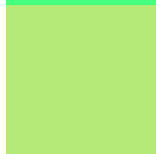
73.7723, 0.2477, 0.3092

# Trichromacy



## Original Color

74.3919, 0.2835, 0.5000



## Protanomaly

70.1468, 0.3455, 0.4651



## Deuteranomaly

69.6181, 0.3313, 0.4204



## Tritanomaly

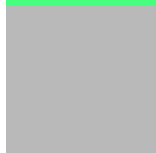
72.8328, 0.2604, 0.3743

# Monochromacy



## Original Color

74.3919, 0.2835, 0.5000



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

54.6132, 0.2951, 0.3924

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.3919, 0.2835, 0.5000 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(71, 255, 127)` looks like.

```
.text, #text, p{  
    color:rgb(71, 255, 127)  
}
```

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(71, 255, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 255, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 74.3919, 0.2835, 0.5000 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(71, 255, 127) }
```

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

```
.border{ border-color:rgb(71, 255, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 255, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 255, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 255, 127);  
box-shadow:4px 4px 4px 4px rgb(71, 255,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.3919, 0.2835, 0.5000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 255, 127) }
```

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

```
.background{ background-color: rgb(71, 255,  
127) }
```

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