

# Converting Colors

Yxy(73.9626, 0.2998, 0.5420)

Have a look what the booklet for  
Yxy(73.9626, 0.2998, 0.5420)  
contains.

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# Color

**Yxy(73.9467, 0.2997, 0.5422)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50FF59
RGB	80, 255, 89
RGB Percent	31%, 100%, 35%
CMY	0.6860, 0.0000, 0.6511
CMYK	0.69, 0.00, 0.65, 0.00
HSL	123°, 100%, 66%
HSV	123°, 69%, 100%
XYZ	40.8739, 73.9467, 21.5621
YIQ	183.7510, -51.0140, -88.7260

# Conversions

## Conversions Part 2

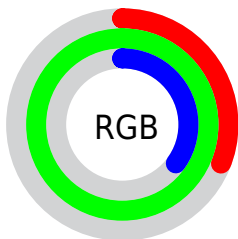
<b>Format</b>	<b>Color</b>
<b>RYB</b>	80, 246, 255
Decimal	5308249
CIELab	88.90, -74.74, 64.28
CIELCh	89, 98.581, 139.302
Yxy	73.9467, 0.2997, 0.5422
Android (android.graphics.Color)	4283498329 (0xFF50FF59)
YUV	183.7510, -46.7122, -90.9896
Hunter-Lab	85.9923, -65.6417, 45.3279

# Details

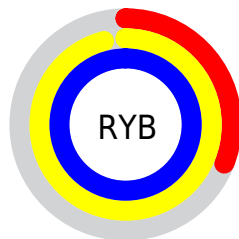
The Yxy color **73.9467, 0.2997, 0.5422** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle muted green. A complement of this color would be **33.6655, 0.3285, 0.1820**, and the grayscale version is **48.0800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9539, 0.3085, 0.4631**, and **40.0071, 0.2973, 0.5901** is the 20% darker color. If you saturate the color by 10%, you get **72.6988, 0.2990, 0.5682**, and if you desaturate by 10%, it is **75.7534, 0.3009, 0.5107**.

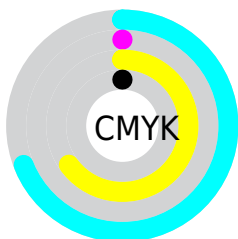
# Distribution



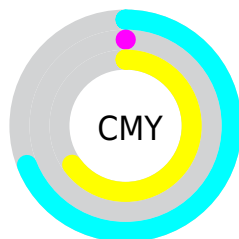
- Red (31%)
- Green (100%)
- Blue (35%)



- Red (31%)
- Yellow (96%)
- Blue (100%)



- Cyan (69%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)




- Cyan (69%)
- Magenta (0%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.9467, 0.2997, 0.5422 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 73.9467, 0.2997, 0.5422 by changing the saturation by 10% instead.





 73.9467, 0.2997,  
0.5422

 73.9467, 0.2997,  
0.5422


474.2894, 0.3132,  
0.4358

 54.7504, 0.2944,  
0.5674


 124.8202, 0.3061,  
0.5043


 39.2019, 0.2866,  
0.5984

 157.2663, 0.3081,  
0.4898

 26.9169, 0.2749,  
0.6372


 194.8977, 0.3096,  
0.4774

 17.5108, 0.2566,  
0.6859

 238.0989, 0.3107,  
0.4668

 10.5993, 0.2301,  
0.7560

287.2543, 0.3116,  
0.4575

 5.7981, 0.1802,  
0.8198

342.7483, 0.3123,


 2.7227, 0.0568,

0.4494

0.9432


404.9651, 0.3128,  
0.4422


 0.9887, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 73.9467, 0.2997,  
0.5422


 73.9467, 0.2997,  
0.5422


 72.6988, 0.2990,  
0.5682


 75.7534, 0.3009,  
0.5107

 71.9392, 0.2990,  
0.5867

 78.1669, 0.3027,  
0.4763

 71.5815, 0.2994,  
0.5970

 81.2374, 0.3047,  
0.4415

 71.5490, 0.2994,  
0.5978

 85.0079, 0.3068,  
0.4081

■ 89.5181, 0.3090,  
0.3774

■ 94.8044, 0.3110,  
0.3500

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.



73.9467, 0.4031, 0.5308



73.9467, 0.2997, 0.5422



73.9467, 0.2048, 0.4441

# Triad

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



73.9467, 0.2997, 0.5422



73.9467, 0.1452, 0.1729



73.9467, 0.5101, 0.3062

# Complementary

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



73.9467, 0.2997, 0.5422



33.6655, 0.3285, 0.1820

# 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.



73.9467, 0.4095, 0.2406



73.9467, 0.2997, 0.5422



73.9467, 0.1967, 0.1680

# Square

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



73.9467, 0.2997, 0.5422



73.9467, 0.1284, 0.2140



73.9467, 0.2884, 0.1917



73.9467, 0.5372, 0.3793



# Rectangle

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



73.9467, 0.2997, 0.5422



73.9467, 0.1605, 0.3494



73.9467, 0.2884, 0.1917



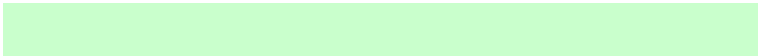
73.9467, 0.4830, 0.2832

# Sweetspot

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



73.9488, 0.2997, 0.5422



88.3681, 0.3085, 0.3845



91.7387, 0.3997, 0.4870



18.6424, 0.3079, 0.3929



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.



73.9488, 0.2997, 0.5422



72.3894, 0.2990, 0.5754



76.3736, 0.2655, 0.4320



20.1832, 0.3109, 0.3523



37.3921, 0.2991, 0.5969



3.6458, 0.2971, 0.5896



# Inverse Universe

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



33.6655, 0.3285, 0.1820



29.7592, 0.3313, 0.1682



29.5017, 0.4356, 0.2552



18.2835, 0.3146, 0.3068



14.4660, 0.3341, 0.1614

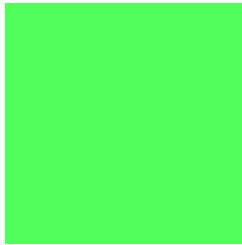


1.4132, 0.3325, 0.1605



# Previews

## White Background



This preview shows how the Yxy color 73.9467, 0.2997, 0.5422 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

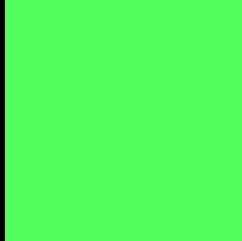
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.9467, 0.2997, 0.5422 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 73.9467, 0.2997, 0.5422**

## Background



This preview shows how black text looks on a background with the Yxy color 73.9467, 0.2997, 0.5422.

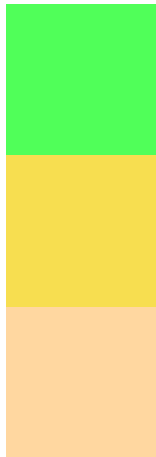


This preview shows how white text looks on a background with the Yxy color 73.9467, 0.2997, 0.5422.

# 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

73.9467, 0.2997, 0.5422

### Protanopia

72.5959, 0.4209, 0.4634

### Deuteranopia

72.3989, 0.3829, 0.3857



## Tritanopia

73.1916, 0.2475, 0.3080

# Trichromacy



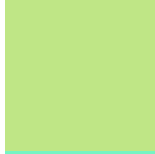
## Original Color

73.9467, 0.2997, 0.5422



## Protanomaly

69.9093, 0.3656, 0.4989



## Deuteranomaly

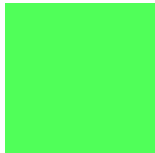
69.3912, 0.3454, 0.4432



## Tritanomaly

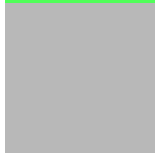
72.4234, 0.2678, 0.3916

# Monochromacy



## Original Color

73.9467, 0.2997, 0.5422



## Achromatopsia

47.9320, 0.3127, 0.3290



## Achromatomaly

54.3741, 0.3067, 0.4135

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.9467, 0.2997, 0.5422 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(80, 255, 89)` looks like.

```
.text, #text, p{  
    color:rgb(80, 255, 89)  
}
```

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(80, 255, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 255, 89) }
```

## Border

The CSS property to change the border of an element to Yxy 73.9467, 0.2997, 0.5422 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(80, 255, 89) }
```

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

```
.border{ border-color:rgb(80, 255, 89) }
```

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

Here you see how a box with a 4 pixel rgb(80, 255, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 255, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 255, 89);  
box-shadow:4px 4px 4px 4px rgb(80, 255,  
89) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.9467, 0.2997, 0.5422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 255, 89) }
```

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

```
.background{ background-color: rgb(80, 255,  
89) }
```

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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