

# Converting Colors

Yxy(73.8718, 0.3024, 0.5494)

Have a look what the booklet for  
Yxy(73.8718, 0.3024, 0.5494)  
contains.

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# Color

**Yxy(73.8634, 0.3024, 0.5496)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51FF51
RGB	81, 255, 81
RGB Percent	32%, 100%, 32%
CMY	0.6821, 0.0000, 0.6825
CMYK	0.68, 0.00, 0.68, 0.00
HSL	120°, 100%, 66%
HSV	120°, 68%, 100%
XYZ	40.6410, 73.8634, 19.8904
YIQ	183.1380, -47.8500, -91.0020

# Conversions

## Conversions Part 2

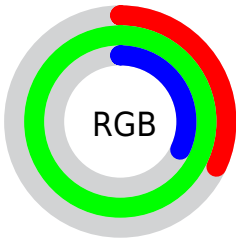
<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 255, 255
Decimal	5373777
CIELab	88.86, -75.29, 67.31
CIELCh	89, 100.989, 138.203
Yxy	73.8634, 0.3024, 0.5496
Android (android.graphics.Color)	4283563857 (0xFF51FF51)
YUV	183.1380, -50.3540, -89.5750
Hunter-Lab	85.9438, -65.9928, 46.4389

# Details

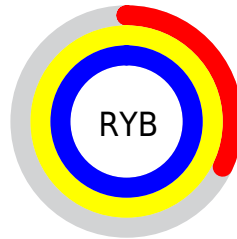
The Yxy color **73.8634, 0.3024, 0.5496** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle muted green. A complement of this color would be **34.3394, 0.3198, 0.1766**, and the grayscale version is **47.7428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8390, 0.3124, 0.4712**, and **39.9435, 0.2996, 0.5985** is the 20% darker color. If you saturate the color by 10%, you get **72.6289, 0.3012, 0.5747**, and if you desaturate by 10%, it is **75.6679, 0.3039, 0.5180**.

# Distribution



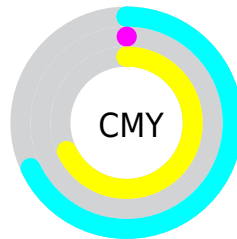
- Red (32%)
- Green (100%)
- Blue (32%)



- Red (32%)
- Yellow (100%)
- Blue (100%)



- Cyan (68%)
- Magenta (0%)
- Yellow (68%)
- Black (0%)




- Cyan (68%)
- Magenta (0%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.8634, 0.3024, 0.5496 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 73.8634, 0.3024, 0.5496 by changing the saturation by 10% instead.




 73.8634, 0.3024,  
0.5496


 73.8634, 0.3024,  
0.5496


474.0018, 0.3154,  
0.4398


 54.6822, 0.2970,  
0.5754


 124.7021, 0.3088,  
0.5106


 39.1474, 0.2890,  
0.6070


 157.1285, 0.3107,  
0.4957

 26.8744, 0.2768,  
0.6462


 194.7388, 0.3122,  
0.4829

 17.4789, 0.2576,  
0.6947

 237.9173, 0.3132,  
0.4719

 10.5765, 0.2313,  
0.7687

287.0484, 0.3140,  
0.4623

 5.7829, 0.1779,  
0.8221


342.5166, 0.3146,

 2.7135, 0.0512,

0.4538

0.9488


404.7063, 0.3150,  
0.4464


 0.9841, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 73.8634, 0.3024,  
0.5496


 73.8634, 0.3024,  
0.5496


 72.6289, 0.3012,  
0.5747


 75.6679, 0.3039,  
0.5180


 71.8909, 0.3004,  
0.5912

 78.0929, 0.3055,  
0.4826

 71.5595, 0.3001,  
0.5991

 81.1902, 0.3072,  
0.4463

 71.5210, 0.3000,  
0.6000

 85.0046, 0.3089,  
0.4113

 89.5772, 0.3104,  
0.3790

 94.9457, 0.3117,  
0.3502

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.



73.8634, 0.4074, 0.5326



73.8634, 0.3024, 0.5496



73.8634, 0.2051, 0.4525

# Triad

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



73.8634, 0.3024, 0.5496



73.8634, 0.1411, 0.1708



73.8634, 0.5122, 0.3025

# Complementary

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



73.8634, 0.3024, 0.5496



34.3394, 0.3198, 0.1766

# 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.



73.8634, 0.4071, 0.2366



73.8634, 0.3024, 0.5496



73.8634, 0.1918, 0.1648

# Square

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



73.8634, 0.3024, 0.5496



73.8634, 0.1252, 0.2137



73.8634, 0.2835, 0.1879



73.8634, 0.5423, 0.3762



# Rectangle

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



73.8634, 0.3024, 0.5496



73.8634, 0.1593, 0.3547



73.8634, 0.2835, 0.1879



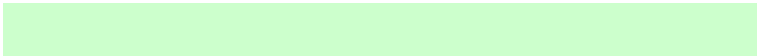
73.8634, 0.4835, 0.2794

# Sweetspot

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



73.8655, 0.3024, 0.5496



88.7212, 0.3101, 0.3845



91.5367, 0.4073, 0.4806



18.7063, 0.3097, 0.3934



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.



73.8655, 0.3024, 0.5496



72.2978, 0.3009, 0.5819



75.9870, 0.2706, 0.4475



20.1687, 0.3116, 0.3536



37.3715, 0.3000, 0.6000



3.6389, 0.3000, 0.6000



# Inverse Universe

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



34.3394, 0.3198, 0.1766



30.4029, 0.3204, 0.1618



30.0745, 0.4183, 0.2442



18.2998, 0.3138, 0.3056



14.8668, 0.3208, 0.1541

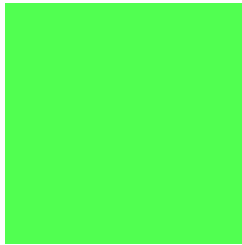


1.4477, 0.3208, 0.1541



# Previews

## White Background



This preview shows how the Yxy color 73.8634, 0.3024, 0.5496 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 73.8634, 0.3024, 0.5496 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

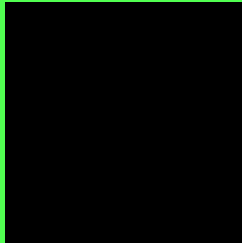
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.8634, 0.3024, 0.5496**

## Background



This preview shows how black text looks on a background with the Yxy color 73.8634, 0.3024, 0.5496.



This preview shows how white text looks on a background with the Yxy color 73.8634, 0.3024, 0.5496.

# 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

73.8634, 0.3024, 0.5496

### Protanopia

71.9549, 0.4248, 0.4675

### Deuteranopia

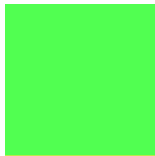
71.8563, 0.3840, 0.3857



## Tritanopia

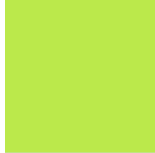
73.1916, 0.2475, 0.3080

# Trichromacy



## Original Color

73.8634, 0.3024, 0.5496



## Protanomaly

69.3506, 0.3699, 0.5040



## Deuteranomaly

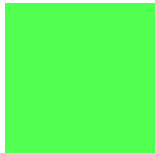
68.8838, 0.3482, 0.4454



## Tritanomaly

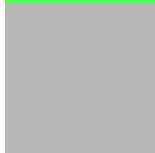
72.2890, 0.2693, 0.3956

# Monochromacy



## Original Color

73.8634, 0.3024, 0.5496



## Achromatopsia

47.3531, 0.3127, 0.3290



## Achromatomaly

53.7872, 0.3086, 0.4166

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.8634, 0.3024, 0.5496 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(81, 255, 81)` looks like.

```
.text, #text, p{  
    color:rgb(81, 255, 81)  
}
```

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(81, 255, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 255, 81) }
```

## Border

The CSS property to change the border of an element to Yxy 73.8634, 0.3024, 0.5496 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(81, 255, 81) }
```

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

```
.border{ border-color:rgb(81, 255, 81) }
```

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

Here you see how a box with a 4 pixel rgb(81, 255, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 255, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 255, 81);  
box-shadow:4px 4px 4px 4px rgb(81, 255,  
81) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.8634, 0.3024, 0.5496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 255, 81) }
```

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

```
.background{ background-color: rgb(81, 255,  
81) }
```

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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