

# Converting Colors

Yxy(74.4117, 0.3163, 0.5671)

Have a look what the booklet for  
Yxy(74.4117, 0.3163, 0.5671)  
contains.

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**Color**

**Yxy(74.4117, 0.3163, 0.5671)**

# Conversions

## Conversions Part 1

Format	Color
Hex	63FF33
RGB	99, 255, 51
RGB Percent	39%, 100%, 20%
CMY	0.6117, 0.0000, 0.8002
CMYK	0.61, 0.00, 0.80, 0.00
HSL	106°, 100%, 60%
HSV	106°, 80%, 100%
XYZ	41.5031, 74.4117, 15.2996
YIQ	185.1000, -27.4920, -96.5160

# Conversions

## Conversions Part 2

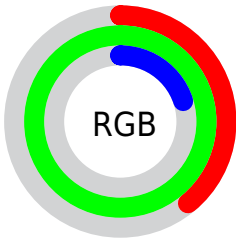
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 255, 207
Decimal	6553395
CIELab	89.12, -73.76, 77.26
CIELCh	89, 106.814, 133.672
Yxy	74.4117, 0.3163, 0.5671
Android (android.graphics.Color)	4284743475 (0xFF63FF33)
YUV	185.1000, -66.1113, -75.5097
Hunter-Lab	86.2622, -65.0776, 49.8678

# Details

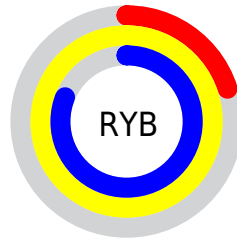
The Yxy color **74.4117, 0.3163, 0.5671** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **22.8376, 0.2733, 0.1389**, and the grayscale version is **48.9596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7342, 0.3318, 0.4932**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **73.2768, 0.3124, 0.5838**, and if you desaturate by 10%, it is **75.9351, 0.3192, 0.5433**.

# Distribution



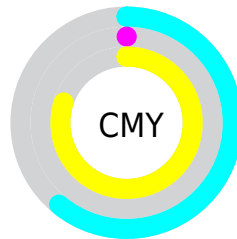
- Red (39%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (81%)



- Cyan (61%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




- Cyan (61%)
- Magenta (0%)
- Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.4117, 0.3163, 0.5671 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 74.4117, 0.3163, 0.5671 by changing the saturation by 10% instead.




 74.4117, 0.3163,  
0.5671


 74.4117, 0.3163,  
0.5671


475.8931, 0.3252,  
0.4506

 55.1311, 0.3111,  
0.5934


 125.4792, 0.3219,  
0.5265


 39.5067, 0.3029,  
0.6249


 158.0350, 0.3233,  
0.5107

 27.1541, 0.2900,  
0.6626


 195.7845, 0.3242,  
0.4970

 17.6890, 0.2700,  
0.7091

 239.1122, 0.3248,  
0.4852

 10.7269, 0.2376,  
0.7624

 288.4025, 0.3251,  
0.4749

 5.8835, 0.1852,  
0.8148


344.0398, 0.3252,

 2.7744, 0.0707,


0.4658


0.9293


406.4086, 0.3252,  
0.4578


 1.0151, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000

 74.4117, 0.3163,  
0.5671


 74.4117, 0.3163,  
0.5671


 73.2768, 0.3124,  
0.5838


 75.9351, 0.3192,  
0.5433


 72.4829, 0.3081,  
0.5935


 77.8814, 0.3209,  
0.5139

 80.2816, 0.3215,  
0.4813

 83.1634, 0.3209,  
0.4476

 86.5521, 0.3196,  
0.4145

 90.4713, 0.3176,  
0.3833

 94.9430, 0.3153,  
0.3547

99.9879, 0.3127,  
0.3291

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.



74.4117, 0.4245, 0.5304



74.4117, 0.3163, 0.5671



74.4117, 0.2124, 0.4825

# Triad

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



74.4117, 0.3163, 0.5671



74.4117, 0.1300, 0.1680



74.4117, 0.5102, 0.2891

# Complementary

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



74.4117, 0.3163, 0.5671



22.8376, 0.2733, 0.1389

# 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.



74.4117, 0.3914, 0.2234



74.4117, 0.3163, 0.5671



74.4117, 0.1760, 0.1574

# Square

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



74.4117, 0.3163, 0.5671



74.4117, 0.1186, 0.2186



74.4117, 0.2643, 0.1769



74.4117, 0.5540, 0.3635



# Rectangle

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



74.4117, 0.3163, 0.5671



74.4117, 0.1609, 0.3785



74.4117, 0.2643, 0.1769



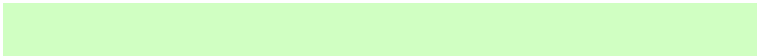
74.4117, 0.4763, 0.2658

# Sweetspot

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



74.4120, 0.3163, 0.5671



88.8475, 0.3184, 0.3954



64.6774, 0.4518, 0.4608



18.7213, 0.3191, 0.4066



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.



74.4120, 0.3163, 0.5671



72.7666, 0.3098, 0.5902



73.1808, 0.2878, 0.5330



20.3746, 0.3151, 0.3533



37.9299, 0.3090, 0.5928



3.7404, 0.3164, 0.5869



# Inverse Universe

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



22.8376, 0.2733, 0.1389



19.3563, 0.2632, 0.1234



27.9815, 0.3781, 0.1984



18.0721, 0.3100, 0.3053



9.9015, 0.2618, 0.1216

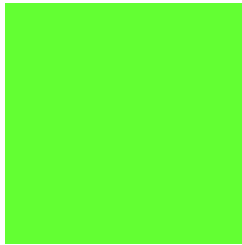


1.0136, 0.2688, 0.1254



# Previews

## White Background



This preview shows how the Yxy color 74.4117, 0.3163, 0.5671 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

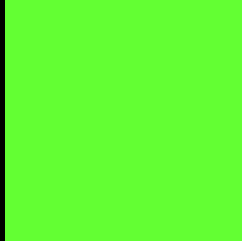
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.4117, 0.3163, 0.5671 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

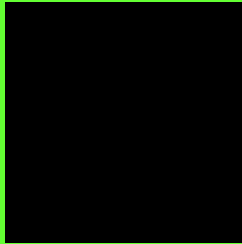
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

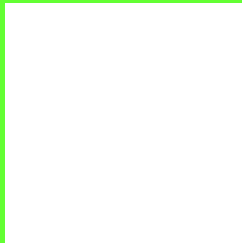
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.4117, 0.3163, 0.5671**

## Background



This preview shows how black text looks on a background with the Yxy color 74.4117, 0.3163, 0.5671.

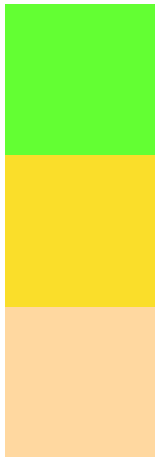


This preview shows how white text looks on a background with the Yxy color 74.4117, 0.3163, 0.5671.

# 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**

74.4117, 0.3163, 0.5671

**Protanopia**

72.7337, 0.4355, 0.4802

**Deuteranopia**

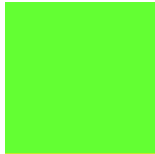
72.9098, 0.3826, 0.3866



## Tritanopia

73.8994, 0.2510, 0.3082

# Trichromacy



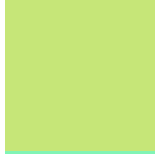
## Original Color

74.4117, 0.3163, 0.5671



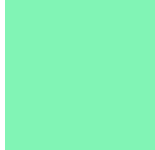
## Protanomaly

70.6372, 0.3842, 0.5179



## Deuteranomaly

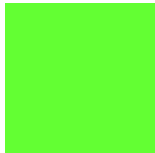
69.9555, 0.3586, 0.4563



## Tritanomaly

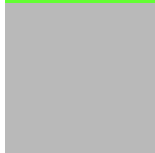
72.7047, 0.2801, 0.4094

# Monochromacy



## Original Color

74.4117, 0.3163, 0.5671



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

54.7408, 0.3207, 0.4301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.4117, 0.3163, 0.5671 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(99, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(99, 255, 51)  
}
```

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(99, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 255, 51) }
```

## Border

The CSS property to change the border of an element to Yxy 74.4117, 0.3163, 0.5671 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(99, 255, 51) }
```

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

```
.border{ border-color:rgb(99, 255, 51) }
```

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

Here you see how a box with a 4 pixel rgb(99, 255, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(99, 255,  
51) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.4117, 0.3163, 0.5671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 255, 51) }
```

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

```
.background{ background-color: rgb(99, 255,  
51) }
```

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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