

# Converting Colors

Yxy(74.5338, 0.3076, 0.5468)

Have a look what the booklet for  
Yxy(74.5338, 0.3076, 0.5468)  
contains.

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**Color**

**Yxy(74.5321, 0.3078, 0.5471)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FFF50
RGB	95, 255, 80
RGB Percent	37%, 100%, 31%
CMY	0.6272, 0.0000, 0.6862
CMYK	0.63, 0.00, 0.69, 0.00
HSL	115°, 100%, 66%
HSV	115°, 69%, 100%
XYZ	41.9320, 74.5321, 19.7671
YIQ	187.2100, -39.1850, -88.3450

# Conversions

## Conversions Part 2

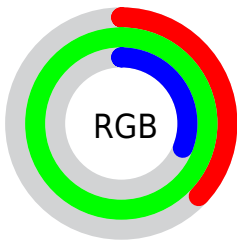
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	80, 255, 240
Decimal	6291280
CIE <sub>Lab</sub>	89.17, -72.70, 68.09
CIE <sub>LCh</sub>	89, 99.606, 136.877
Yxy	74.5321, 0.3078, 0.5471
Android (android.graphics.Color)	4284481360 (0xFF5FFF50)
YUV	187.2100, -52.8545, -80.8682
Hunter-Lab	86.3320, -64.3824, 46.8569

# Details

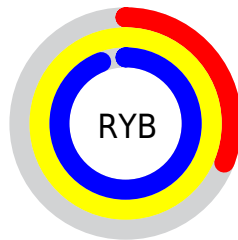
The Yxy color **74.5321, 0.3078, 0.5471** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **31.4771, 0.3056, 0.1692**, and the grayscale version is **50.1506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9032, 0.3191, 0.4697**, and **39.9347, 0.2999, 0.5997** is the 20% darker color. If you saturate the color by 10%, you get **73.1592, 0.3057, 0.5722**, and if you desaturate by 10%, it is **76.4276, 0.3096, 0.5160**.

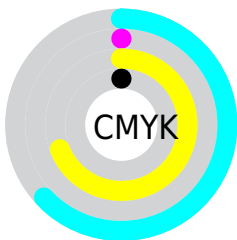
# Distribution



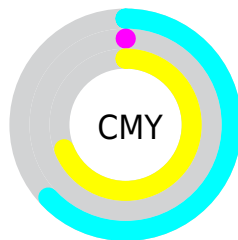
- Red (37%)
- Green (100%)
- Blue (31%)



- Red (31%)
- Yellow (100%)
- Blue (94%)



- Cyan (63%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)




- Cyan (63%)
- Magenta (0%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.5321, 0.3078, 0.5471 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 74.5321, 0.3078, 0.5471 by changing the saturation by 10% instead.




 74.5321, 0.3078,  
0.5471


 74.5321, 0.3078,  
0.5471


476.3078, 0.3182,  
0.4391


 55.2297, 0.3030,  
0.5723


 125.6498, 0.3133,  
0.5089

 39.5856, 0.2956,  
0.6030


 158.2339, 0.3149,  
0.4942

 27.2156, 0.2843,  
0.6410


 196.0139, 0.3160,  
0.4816

 17.7352, 0.2662,  
0.6879

 239.3743, 0.3168,  
0.4708

 10.7601, 0.2413,  
0.7587

288.6995, 0.3174,  
0.4613

 5.9057, 0.1895,  
0.8105

344.3739, 0.3178,

 2.7878, 0.0801,

0.4530

0.9199

406.7819, 0.3181,  
0.4457

■ 1.0220, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 74.5321, 0.3078,  
0.5471

■ 74.5321, 0.3078,  
0.5471

■ 73.1592, 0.3057,  
0.5722

■ 76.4276, 0.3096,  
0.5160

■ 72.2478, 0.3036,  
0.5892

■ 78.8808, 0.3110,  
0.4814

■ 71.7359, 0.3016,  
0.5980

■ 81.9349, 0.3120,  
0.4460

■ 71.6895, 0.3015,  
0.5988

■ 85.6259, 0.3126,  
0.4117

 89.9872, 0.3128,  
0.3798

 95.0497, 0.3129,  
0.3511

99.9998, 0.3127,  
0.3290

# Harmonies

## Analogous

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



74.5321, 0.4113, 0.5274



74.5321, 0.3078, 0.5471



74.5321, 0.2106, 0.4563

# Triad

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



74.5321, 0.3078, 0.5471



74.5321, 0.1417, 0.1738



74.5321, 0.5057, 0.3002

# Complementary

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



74.5321, 0.3078, 0.5471



31.4771, 0.3056, 0.1692

# 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.



74.5321, 0.4002, 0.2353



74.5321, 0.3078, 0.5471



74.5321, 0.1904, 0.1664

# Square

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



74.5321, 0.3078, 0.5471



74.5321, 0.1274, 0.2185



74.5321, 0.2792, 0.1880



74.5321, 0.5396, 0.3731



# Rectangle

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



74.5321, 0.3078, 0.5471



74.5321, 0.1639, 0.3607



74.5321, 0.2792, 0.1880



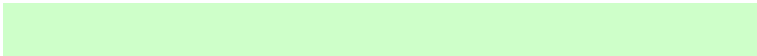
74.5321, 0.4765, 0.2773

# Sweetspot

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



74.5352, 0.3078, 0.5471



88.8877, 0.3128, 0.3871



82.6984, 0.4166, 0.4712



18.7629, 0.3127, 0.3958



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.



74.5352, 0.3078, 0.5471



72.8023, 0.3050, 0.5789



75.4282, 0.2767, 0.4683



20.2427, 0.3129, 0.3535



37.4848, 0.3019, 0.5985



3.6740, 0.3059, 0.5953



# Inverse Universe

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



31.4771, 0.3056, 0.1692



27.1748, 0.3029, 0.1525



30.5024, 0.3994, 0.2304



18.2163, 0.3124, 0.3055



12.8644, 0.2993, 0.1423

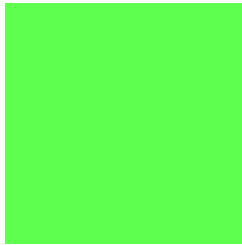


1.2750, 0.3020, 0.1437



# Previews

## White Background



This preview shows how the Yxy color 74.5321, 0.3078, 0.5471 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

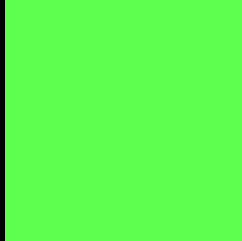
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.5321, 0.3078, 0.5471 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

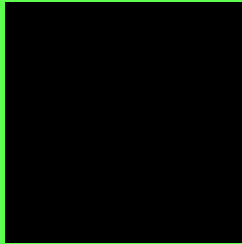
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

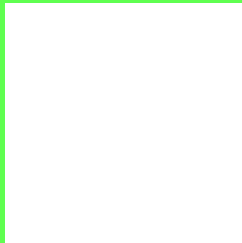
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.5321, 0.3078, 0.5471**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.5321, 0.3078, 0.5471.

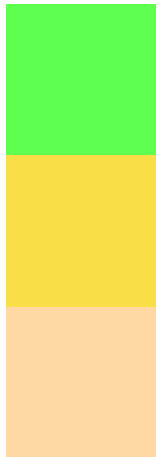


This preview shows how white text looks on a background with the Yxy color 74.5321, 0.3078, 0.5471.

# 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

74.5321, 0.3078, 0.5471

### Protanopia

72.8372, 0.4260, 0.4678

### Deuteranopia

73.0161, 0.3804, 0.3836



## Tritanopia

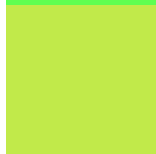
73.8081, 0.2506, 0.3082

# Trichromacy



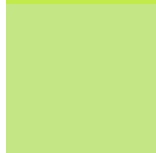
## Original Color

74.5321, 0.3078, 0.5471



## Protanomaly

70.6775, 0.3743, 0.5024



## Deuteranomaly

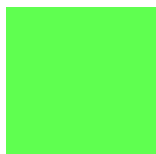
70.1574, 0.3505, 0.4426



## Tritanomaly

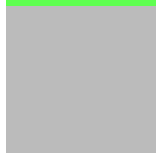
72.9750, 0.2742, 0.3962

# Monochromacy



## Original Color

74.5321, 0.3078, 0.5471



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

56.0951, 0.3129, 0.4157

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.5321, 0.3078, 0.5471 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(95, 255, 80)` looks like.

```
.text, #text, p{  
    color:rgb(95, 255, 80)  
}
```

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(95, 255, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 255, 80) }
```

## Border

The CSS property to change the border of an element to Yxy 74.5321, 0.3078, 0.5471 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(95, 255, 80) }
```

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

```
.border{ border-color:rgb(95, 255, 80) }
```

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

Here you see how a box with a 4 pixel rgb(95, 255, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 255, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 255, 80);  
box-shadow:4px 4px 4px 4px rgb(95, 255,  
80) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.5321, 0.3078, 0.5471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 255, 80) }
```

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

```
.background{ background-color: rgb(95, 255,  
80) }
```

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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