

# Converting Colors

Yxy(69.4348, 0.3406, 0.5261)

Have a look what the booklet for  
Yxy(69.4348, 0.3406, 0.5261)  
contains.

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**Color**

**Yxy(69.2041, 0.3407, 0.5264)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95F04A
RGB	149, 240, 74
RGB Percent	58%, 94%, 29%
CMY	0.4157, 0.0588, 0.7099
CMYK	0.38, 0.00, 0.69, 0.06
HSL	93°, 85%, 62%
HSV	93°, 69%, 94%
XYZ	44.7907, 69.2041, 17.4719
YIQ	193.8670, -0.9500, -70.9180

# Conversions

## Conversions Part 2

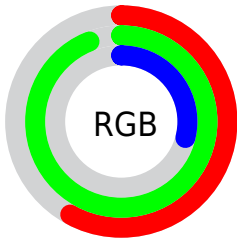
Format	Color
<a href="#">RYB</a>	<a href="#">74, 240, 165</a>
Decimal	<a href="#">9826378</a>
CIELab	<a href="#">86.61, -53.17, 68.22</a>
CIElCh	<a href="#">87, 86.496, 127.931</a>
Yxy	<a href="#">69.2041, 0.3407, 0.5264</a>
Android (android.graphics.Color)	<a href="#">4288016458 (0xFF95F04A)</a>
YUV	<a href="#">193.8670, -59.0944, -39.3484</a>
Hunter-Lab	<a href="#">83.1890, -49.4726, 45.7798</a>

# Details

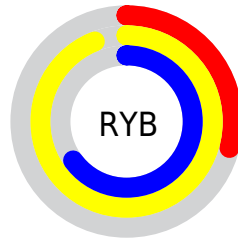
The Yxy color **69.2041, 0.3407, 0.5264** is a light color, and the websafe version is hex **99FF66**. The color can be described as light washed chartreuse. A complement of this color would be **19.1847, 0.2455, 0.1398**, and the grayscale version is **54.2239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5686, 0.3520, 0.4626**, and **36.0406, 0.3355, 0.5718** is the 20% darker color. If you saturate the color by 10%, you get **67.7747, 0.3389, 0.5486**, and if you desaturate by 10%, it is **70.9026, 0.3404, 0.4997**.

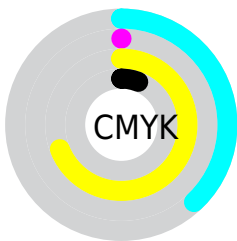
# Distribution



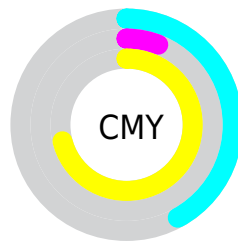
- Red (58%)
- Green (94%)
- Blue (29%)



- Red (29%)
- Yellow (94%)
- Blue (65%)



- Cyan (38%)
- Magenta (0%)
- Yellow (69%)
- Black (6%)




- Cyan (42%)
- Magenta (6%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.2041, 0.3407, 0.5264 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 69.2041, 0.3407, 0.5264 by changing the saturation by 10% instead.




 69.2041, 0.3407,  
0.5264


 69.2041, 0.3407,  
0.5264


457.7505, 0.3351,  
0.4300

 50.8779, 0.3394,  
0.5484

 118.0730, 0.3407,  
0.4927

 36.1115, 0.3364,  
0.5750


 149.3846, 0.3401,  
0.4796


 24.5203, 0.3302,  
0.6074


 185.7935, 0.3393,  
0.4683

 15.7200, 0.3183,  
0.6468

 227.6840, 0.3385,  
0.4586

 9.3263, 0.2989,  
0.7011

 275.4405, 0.3376,  
0.4501

 4.9546, 0.2542,  
0.7458


329.4475, 0.3368,

 2.2206, 0.1683,


0.4426


0.8317

390.0894, 0.3359,  
0.4359


 0.7312, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 69.2041, 0.3407,  
0.5264


 69.2041, 0.3407,  
0.5264


 67.7747, 0.3389,  
0.5486


 70.9026, 0.3404,  
0.4997


 66.5858, 0.3351,  
0.5652


 72.8782, 0.3382,  
0.4701

 65.6127, 0.3296,  
0.5761


 75.1490, 0.3345,  
0.4394


 65.5394, 0.3292,  
0.5768


 77.7291, 0.3296,  
0.4088

 80.6313, 0.3241,  
0.3795

 83.8678, 0.3182,  
0.3521

 87.4499, 0.3122,  
0.3270

 90.6603, 0.3129,  
0.3146

 90.8028, 0.3134,  
0.3146

# Harmonies

## Analogous

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



69.2041, 0.4324, 0.4938



69.2041, 0.3407, 0.5264



69.2041, 0.2468, 0.4731

# Triad

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



69.2041, 0.3407, 0.5264



69.2041, 0.1483, 0.1962



69.2041, 0.4620, 0.2857

# Complementary

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



69.2041, 0.3407, 0.5264



19.1847, 0.2455, 0.1398

# 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.



69.2041, 0.3583, 0.2287



69.2041, 0.3407, 0.5264



69.2041, 0.1842, 0.1789

# Square

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



69.2041, 0.3407, 0.5264



69.2041, 0.1448, 0.2519



69.2041, 0.2553, 0.1911



69.2041, 0.5157, 0.3528



# Rectangle

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



69.2041, 0.3407, 0.5264



69.2041, 0.1959, 0.3957



69.2041, 0.2553, 0.1911



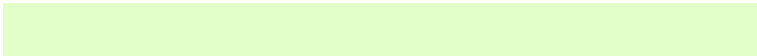
69.2041, 0.4306, 0.2652

# Sweetspot

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



69.2071, 0.3407, 0.5264



91.8702, 0.3252, 0.3849



45.0476, 0.4657, 0.4180



19.4627, 0.3267, 0.3930



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.



69.2071, 0.3407, 0.5264



77.1851, 0.3376, 0.5562



64.3502, 0.3006, 0.5462



18.0061, 0.3184, 0.3529



35.9524, 0.3303, 0.5759



3.0492, 0.3405, 0.5678



# Inverse Universe

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



19.1847, 0.2455, 0.1398



16.3811, 0.2285, 0.1124



29.3892, 0.3255, 0.1795



15.6557, 0.3066, 0.3052



6.1896, 0.2121, 0.0942



0.5739, 0.2256, 0.1017



# Previews

## White Background



This preview shows how the Yxy color 69.2041, 0.3407, 0.5264 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 69.2041, 0.3407, 0.5264 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

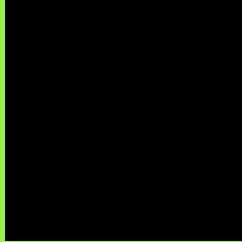
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

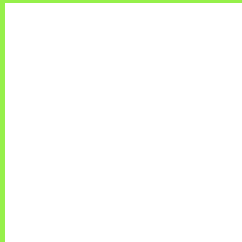
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.2041, 0.3407, 0.5264**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.2041, 0.3407, 0.5264.

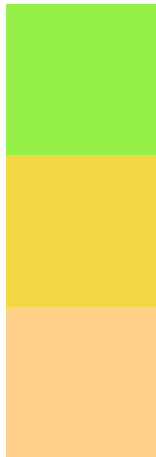


This preview shows how white text looks on a background with the Yxy color 69.2041, 0.3407, 0.5264.

# 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

69.2041, 0.3407, 0.5264

### Protanopia

68.2299, 0.4253, 0.4690

### Deuteranopia

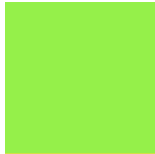
68.1779, 0.4025, 0.4017



## Tritanopia

68.7208, 0.2697, 0.3082

# Trichromacy



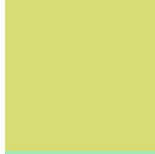
## Original Color

69.2041, 0.3407, 0.5264



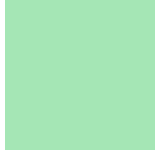
## Protanomaly

67.7025, 0.3923, 0.4915



## Deuteranomaly

67.0002, 0.3802, 0.4473



## Tritanomaly

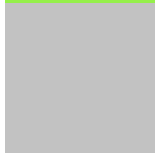
67.9292, 0.2995, 0.3900

# Monochromacy



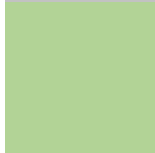
## Original Color

69.2041, 0.3407, 0.5264



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

58.2555, 0.3297, 0.4073

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.2041, 0.3407, 0.5264 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(149, 240, 74)` looks like.

```
.text, #text, p{  
    color:rgb(149, 240, 74)  
}
```

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(149, 240, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 240, 74) }
```

## Border

The CSS property to change the border of an element to Yxy 69.2041, 0.3407, 0.5264 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(149, 240, 74) }
```

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

```
.border{ border-color:rgb(149, 240, 74) }
```

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

Here you see how a box with a 4 pixel rgb(149, 240, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 240, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 240, 74);  
box-shadow:4px 4px 4px 4px rgb(149, 240,  
74) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.2041, 0.3407, 0.5264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 240, 74) }
```

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

```
.background{ background-color: rgb(149,  
240, 74) }
```

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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