

# Converting Colors

$Yxy(74.1641, 0.3359, 0.5504)$

Have a look what the booklet for  
Yxy(74.1641, 0.3359, 0.5504)  
contains.

<b>Yxy(73.9466, 0.3360, 0.5504)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(73.9466, 0.3360, 0.5504)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89FA35
RGB	137, 250, 53
RGB Percent	54%, 98%, 21%
CMY	0.4628, 0.0196, 0.7921
CMYK	0.45, 0.00, 0.79, 0.02
HSL	94°, 95%, 59%
HSV	94°, 79%, 98%
XYZ	45.1418, 73.9466, 15.2622
YIQ	193.7550, -4.1110, -85.2230

# Conversions

## Conversions Part 2

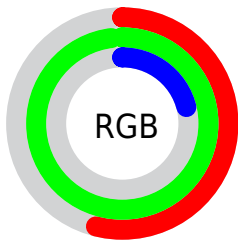
<b>Format</b>	<b>Color</b>
<b>RYB</b>	53, 250, 166
Decimal	9042485
CIELab	88.90, -62.04, 76.97
CIELCh	89, 98.854, 128.870
Yxy	73.9466, 0.3360, 0.5504
Android (android.graphics.Color)	4287232565 (0xFF89FA35)
YUV	193.7550, -69.3922, -49.7741
Hunter-Lab	85.9922, -56.7824, 49.6715

# Details

The Yxy color **73.9466, 0.3360, 0.5504** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **17.5615, 0.2382, 0.1221**, and the grayscale version is **54.2152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7636, 0.3527, 0.4810**, and **39.5564, 0.3215, 0.5829** is the 20% darker color. If you saturate the color by 10%, you get **72.6440, 0.3320, 0.5674**, and if you desaturate by 10%, it is **75.5366, 0.3380, 0.5276**.

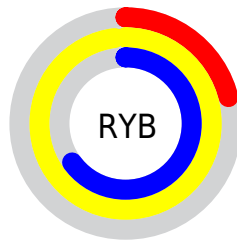
# Distribution



Red (54%)

Green (98%)

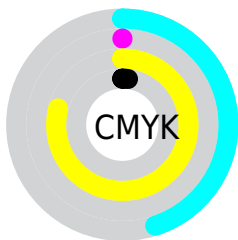
Blue (21%)



Red (21%)

Yellow (98%)

Blue (65%)

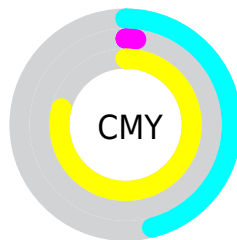


Cyan (45%)

Magenta (0%)

Yellow (79%)

Black (2%)



Cyan (46%)

Magenta (2%)

Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.9466, 0.3360, 0.5504 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 73.9466, 0.3360, 0.5504 by changing the saturation by 10% instead.





 73.9466, 0.3360,  
0.5504


 73.9466, 0.3360,  
0.5504


474.2890, 0.3350,  
0.4437

 54.7503, 0.3331,  
0.5740


 124.8201, 0.3381,  
0.5136


 39.2019, 0.3279,  
0.6022

 157.2661, 0.3382,  
0.4991

 26.9168, 0.3186,  
0.6358


 194.8975, 0.3379,  
0.4866

 17.5107, 0.3032,  
0.6769

 238.0987, 0.3375,  
0.4757

 10.5993, 0.2763,  
0.7237

 287.2541, 0.3369,  
0.4662

 5.7981, 0.2297,  
0.7703

342.7480, 0.3363,

 2.7227, 0.1483,

0.4578

0.8517

404.9648, 0.3356,  
0.4503

■ 0.9887, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 73.9466, 0.3360,  
0.5504

■ 73.9466, 0.3360,  
0.5504

■ 72.6440, 0.3320,  
0.5674

■ 75.5366, 0.3380,  
0.5276


■ 71.5890, 0.3266,  
0.5783

■ 77.4267, 0.3379,  
0.5004


■ 71.4749, 0.3259,  
0.5794


■ 79.6397, 0.3361,  
0.4703


■ 82.1931, 0.3327,  
0.4391

 85.1029, 0.3283,  
0.4082

 88.3840, 0.3231,  
0.3787

 92.0504, 0.3176,  
0.3512

 96.1152, 0.3120,  
0.3261

 96.8563, 0.3129,  
0.3242

# Harmonies

## Analogous

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



73.9466, 0.4367, 0.5093



73.9466, 0.3360, 0.5504



73.9466, 0.2347, 0.4894

# Triad

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



73.9466, 0.3360, 0.5504



73.9466, 0.1353, 0.1821



73.9466, 0.4821, 0.2821

# Complementary

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



73.9466, 0.3360, 0.5504



17.5615, 0.2382, 0.1221

# 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.



73.9466, 0.3664, 0.2209



73.9466, 0.3360, 0.5504



73.9466, 0.1742, 0.1659

# Square

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



73.9466, 0.3360, 0.5504



73.9466, 0.1299, 0.2392



73.9466, 0.2518, 0.1801



73.9466, 0.5379, 0.3531



# Rectangle

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



73.9466, 0.3360, 0.5504



73.9466, 0.1809, 0.3988



73.9466, 0.2518, 0.1801



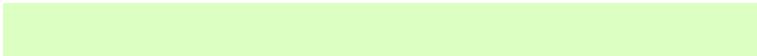
73.9466, 0.4474, 0.2601

# Sweetspot

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



73.9498, 0.3360, 0.5504



90.6037, 0.3259, 0.3939



47.3642, 0.4837, 0.4286



19.1370, 0.3277, 0.4046



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.



73.9498, 0.3360, 0.5504



75.2616, 0.3287, 0.5748



69.5286, 0.2983, 0.5660



19.6708, 0.3180, 0.3531



37.9904, 0.3271, 0.5785



3.5796, 0.3363, 0.5712



# Inverse Universe

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



17.5615, 0.2382, 0.1221



14.1525, 0.2206, 0.1004



28.9798, 0.3339, 0.1729



17.1347, 0.3069, 0.3051



6.8663, 0.2173, 0.0971

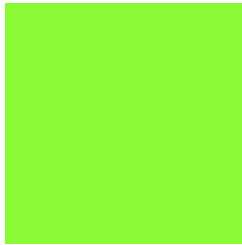


0.6984, 0.2292, 0.1036



# Previews

## White Background



This preview shows how the Yxy color 73.9466, 0.3360, 0.5504 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

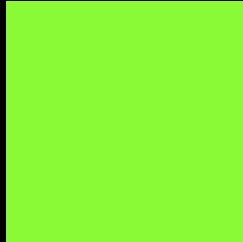
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.9466, 0.3360, 0.5504 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

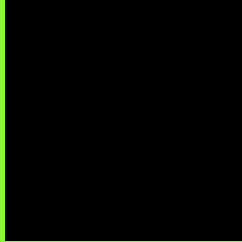
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

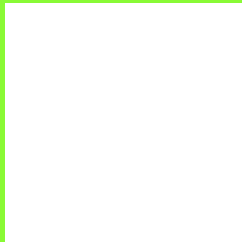
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.9466, 0.3360, 0.5504**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.9466, 0.3360, 0.5504.

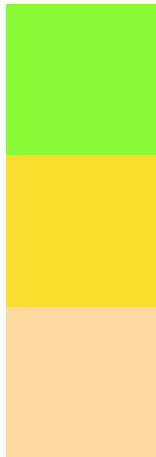


This preview shows how white text looks on a background with the Yxy color 73.9466, 0.3360, 0.5504.

# 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

73.9466, 0.3360, 0.5504

### Protanopia

72.5795, 0.4338, 0.4794

### Deuteranopia

72.8749, 0.3833, 0.3876



## Tritanopia

73.5216, 0.2620, 0.3074

# Trichromacy



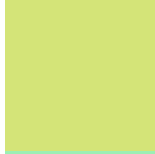
## Original Color

73.9466, 0.3360, 0.5504



## Protanomaly

71.3449, 0.3944, 0.5077



## Deuteranomaly

70.8399, 0.3701, 0.4498



## Tritanomaly

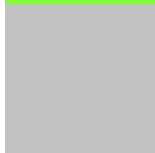
72.0962, 0.2947, 0.4023

# Monochromacy



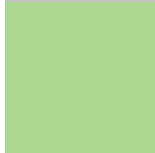
## Original Color

73.9466, 0.3360, 0.5504



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

58.9605, 0.3300, 0.4208

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.9466, 0.3360, 0.5504 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(137, 250, 53)` looks like.

```
.text, #text, p{  
    color:rgb(137, 250, 53)  
}
```

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(137, 250, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 250, 53) }
```

## Border

The CSS property to change the border of an element to Yxy 73.9466, 0.3360, 0.5504 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(137, 250, 53) }
```

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

```
.border{ border-color:rgb(137, 250, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 250, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 250, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 250, 53);  
box-shadow:4px 4px 4px 4px rgb(137, 250,  
53) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.9466, 0.3360, 0.5504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 250, 53) }
```

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

```
.background{ background-color: rgb(137,  
250, 53) }
```

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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