

# Converting Colors

Yxy(67.9986, 0.3539, 0.5370)

Have a look what the booklet for  
Yxy(67.9986, 0.3539, 0.5370)  
contains.

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**Color**

**Yxy(67.9668, 0.3538, 0.5373)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DED32
RGB	157, 237, 50
RGB Percent	62%, 93%, 20%
CMY	0.3846, 0.0705, 0.8040
CMYK	0.34, 0.00, 0.79, 0.07
HSL	86°, 84%, 56%
HSV	86°, 79%, 93%
XYZ	44.7546, 67.9668, 13.7755
YIQ	191.7620, 12.3470, -75.1170

# Conversions

## Conversions Part 2

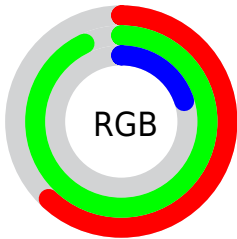
Format	Color
<a href="#">RYB</a>	50, 237, 130
Decimal	10349874
CIELab	85.99, -50.62, 75.44
CIElCh	86, 90.852, 123.863
Yxy	67.9668, 0.3538, 0.5373
Android (android.graphics.Color)	4288539954 (0xFF9DED32)
YUV	191.7620, -69.8887, -30.4863
Hunter-Lab	82.4420, -47.3726, 47.8024

# Details

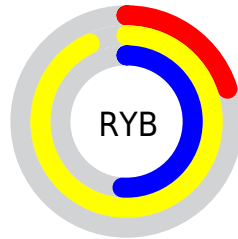
The Yxy color **67.9668, 0.3538, 0.5373** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **13.1473, 0.2135, 0.1095**, and the grayscale version is **52.9690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2888, 0.3663, 0.4771**, and **35.6444, 0.3425, 0.5662** is the 20% darker color. If you saturate the color by 10%, you get **66.8372, 0.3511, 0.5525**, and if you desaturate by 10%, it is **69.2929, 0.3541, 0.5169**.

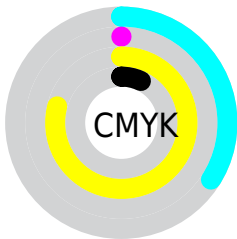
# Distribution



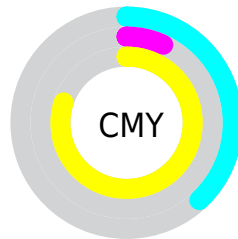
- Red (62%)
- Green (93%)
- Blue (20%)



- Red (20%)
- Yellow (93%)
- Blue (51%)



- Cyan (34%)
- Magenta (0%)
- Yellow (79%)
- Black (7%)



- Cyan (38%)
- Magenta (7%)
- Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.9668, 0.3538, 0.5373 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 67.9668, 0.3538, 0.5373 by changing the saturation by 10% instead.





 67.9668, 0.3538,  
0.5373


 67.9668, 0.3538,  
0.5373


453.3784, 0.3438,  
0.4371


 49.8707, 0.3529,  
0.5593

 116.3046, 0.3528,  
0.5028


 35.3107, 0.3499,  
0.5854


 147.3152, 0.3516,  
0.4893

 23.9023, 0.3433,  
0.6162


 183.3994, 0.3503,  
0.4775

 15.2612, 0.3322,  
0.6563

 224.9416, 0.3489,  
0.4673

 9.0029, 0.3060,  
0.6940

 272.3262, 0.3476,  
0.4584

 4.7431, 0.2621,  
0.7379

325.9376, 0.3463,

 2.0973, 0.1756,

0.4504

0.8244

386.1602, 0.3450,  
0.4434

0.6631, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

67.9668, 0.3538,  
0.5373

67.9668, 0.3538,  
0.5373

66.8372, 0.3511,  
0.5525

69.2929, 0.3541,  
0.5169

65.8715, 0.3464,  
0.5626


70.8229, 0.3520,  
0.4922


65.7730, 0.3459,  
0.5636


72.5738, 0.3479,  
0.4647

74.5581, 0.3422,  
0.4357

 76.7872, 0.3353,  
0.4065

 79.2715, 0.3277,  
0.3782

 82.0209, 0.3198,  
0.3513

 85.0445, 0.3119,  
0.3264

 87.8046, 0.3091,  
0.3115

# Harmonies

## Analogous

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



67.9668, 0.4478, 0.4914



67.9668, 0.3538, 0.5373



67.9668, 0.2548, 0.4962

# Triad

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



67.9668, 0.3538, 0.5373



67.9668, 0.1392, 0.1950



67.9668, 0.4574, 0.2742

# Complementary

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



67.9668, 0.3538, 0.5373



13.1473, 0.2135, 0.1095

# 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.



67.9668, 0.3444, 0.2175



67.9668, 0.3538, 0.5373



67.9668, 0.1714, 0.1730

# Square

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



67.9668, 0.3538, 0.5373



67.9668, 0.1398, 0.2587



67.9668, 0.2398, 0.1820



67.9668, 0.5232, 0.3423



# Rectangle

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



67.9668, 0.3538, 0.5373



67.9668, 0.1991, 0.4176



67.9668, 0.2398, 0.1820



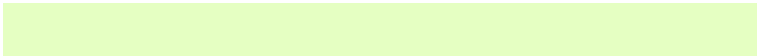
67.9668, 0.4221, 0.2535

# Sweetspot

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



67.9698, 0.3538, 0.5373



92.0303, 0.3317, 0.3927



33.6545, 0.5138, 0.4002



19.4784, 0.3343, 0.4030



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.



67.9698, 0.3538, 0.5373



78.1536, 0.3482, 0.5595



61.9519, 0.3056, 0.5722



17.2873, 0.3202, 0.3527



35.9828, 0.3470, 0.5627



2.8821, 0.3567, 0.5550



# Inverse Universe

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



13.1473, 0.2135, 0.1095



11.2475, 0.1927, 0.0851



23.8357, 0.3041, 0.1563



14.8642, 0.3047, 0.3051



4.9379, 0.1893, 0.0816

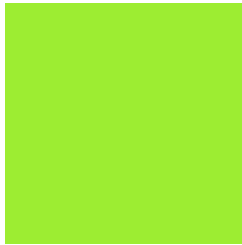


0.4435, 0.2048, 0.0902



# Previews

## White Background



This preview shows how the Yxy color 67.9668, 0.3538, 0.5373 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

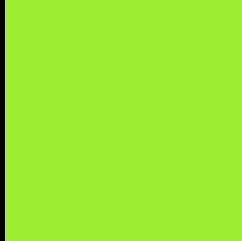
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.9668, 0.3538, 0.5373 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 67.9668, 0.3538, 0.5373**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.9668, 0.3538, 0.5373.



This preview shows how white text looks on a background with the Yxy color 67.9668, 0.3538, 0.5373.

# 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

67.9668, 0.3538, 0.5373

### Protanopia

66.9758, 0.4346, 0.4789

### Deuteranopia

66.9611, 0.4099, 0.4084



## Tritanopia

67.5892, 0.2752, 0.3094

# Trichromacy



## Original Color

67.9668, 0.3538, 0.5373



## Protanomaly

66.1414, 0.4033, 0.5015



## Deuteranomaly

65.6059, 0.3920, 0.4566



## Tritanomaly

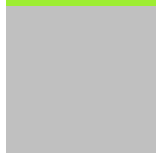
66.6111, 0.3107, 0.4000

# Monochromacy



## Original Color

67.9668, 0.3538, 0.5373



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

56.5889, 0.3379, 0.4168

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.9668, 0.3538, 0.5373 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(157, 237, 50)` looks like.

```
.text, #text, p{  
    color:rgb(157, 237, 50)  
}
```

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(157, 237, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 237, 50) }
```

## Border

The CSS property to change the border of an element to Yxy 67.9668, 0.3538, 0.5373 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(157, 237, 50) }
```

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

```
.border{ border-color:rgb(157, 237, 50) }
```

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

Here you see how a box with a 4 pixel rgb(157, 237, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 237, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 237, 50);  
box-shadow:4px 4px 4px 4px rgb(157, 237,  
50) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.9668, 0.3538, 0.5373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 237, 50) }
```

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

```
.background{ background-color: rgb(157,  
237, 50) }
```

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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