

# Converting Colors

$Yxy(78.9663, 0.3649, 0.5485)$

Have a look what the booklet for  
Yxy(78.9663, 0.3649, 0.5485)  
contains.

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**Color**

**Yxy(78.7348, 0.3654, 0.5481)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFFC00
RGB	175, 252, 0
RGB Percent	69%, 99%, 0%
CMY	0.3137, 0.0117, 1.0000
CMYK	0.31, 0.00, 1.00, 0.01
HSL	78°, 100%, 49%
HSV	78°, 100%, 99%
XYZ	52.4899, 78.7348, 12.4258
YIQ	200.2490, 35.0000, -94.6960

# Conversions

## Conversions Part 2

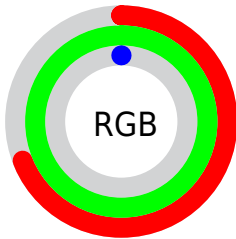
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 252, 77
Decimal	11533312
CIELab	91.11, -51.48, 87.67
CIElCh	91, 101.667, 120.422
Yxy	78.7348, 0.3654, 0.5481
Android (android.graphics.Color)	4289723392 (0xFFAFFC00)
YUV	200.2490, -98.7228, -22.1434
Hunter-Lab	88.7326, -49.6903, 53.8101

# Details

The Yxy color **78.7348, 0.3654, 0.5481** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **8.6064, 0.1692, 0.0706**, and the grayscale version is **58.5283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1432, 0.3880, 0.4836**, and **42.6751, 0.3494, 0.5608** is the 20% darker color. If you saturate the color by 10%, you get **78.7386, 0.3654, 0.5481**, and if you desaturate by 10%, it is **79.7262, 0.3688, 0.5401**.

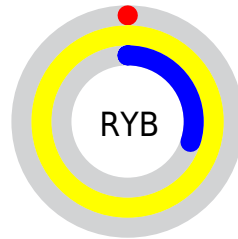
# Distribution



Red (69%)

Green (99%)

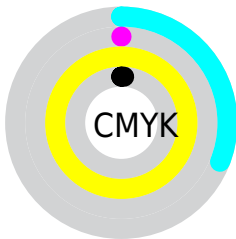
Blue (0%)



Red (0%)

Yellow (99%)

Blue (30%)

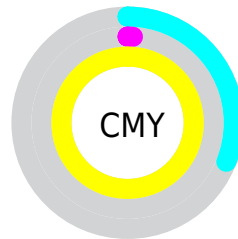


Cyan (31%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (31%)

Magenta (1%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7348, 0.3654, 0.5481 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 78.7348, 0.3654, 0.5481 by changing the saturation by 10% instead.





 78.7348, 0.3654,  
0.5481


 78.7348, 0.3654,  
0.5481


490.6587, 0.3529,  
0.4479


 58.6778, 0.3645,  
0.5685

 131.5854, 0.3640,  
0.5149


 42.3538, 0.3615,  
0.5920


 165.1479, 0.3626,  
0.5014


 29.3784, 0.3549,  
0.6185

 203.9809, 0.3610,  
0.4896

 19.3673, 0.3452,  
0.6537

 248.4689, 0.3593,  
0.4792

 11.9360, 0.3198,  
0.6802

 298.9963, 0.3576,  
0.4700

 6.7001, 0.2834,  
0.7166


 355.9475, 0.3560,


 3.2753, 0.2287,

0.4618

0.7713

419.7068, 0.3544,  
0.4545

 1.2771, 0.0000,  
1.0000

 0.1233, 0.0000,  
1.0000


 78.7348, 0.3654,  
0.5481


 78.7348, 0.3654,  
0.5481

 78.7386, 0.3654,  
0.5481

 79.7262, 0.3688,  
0.5401

 80.8572, 0.3702,  
0.5275

 82.1604, 0.3689,  
0.5101

 83.6537, 0.3651,  
0.4883

■ 85.3522, 0.3591,  
0.4633

■ 87.2693, 0.3514,  
0.4362

■ 89.4170, 0.3424,  
0.4083

■ 91.8062, 0.3327,  
0.3807

■ 94.4470, 0.3227,  
0.3541

# Harmonies

## Analogous

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



78.7348, 0.4626, 0.4891



78.7348, 0.3654, 0.5481



78.7348, 0.2612, 0.5201

# Triad

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



78.7348, 0.3654, 0.5481



78.7348, 0.1296, 0.1925



78.7348, 0.4541, 0.2630

# Complementary

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



78.7348, 0.3654, 0.5481



8.6064, 0.1692, 0.0706

# 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.



78.7348, 0.3317, 0.2063



78.7348, 0.3654, 0.5481



78.7348, 0.1588, 0.1663

# Square

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



78.7348, 0.3654, 0.5481



78.7348, 0.1336, 0.2644



78.7348, 0.2251, 0.1725



78.7348, 0.5320, 0.3323



# Rectangle

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



78.7348, 0.3654, 0.5481



78.7348, 0.2007, 0.4401



78.7348, 0.2251, 0.1725



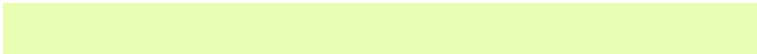
78.7348, 0.4149, 0.2421

# Sweetspot

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



78.7386, 0.3654, 0.5481



91.8477, 0.3424, 0.4084



25.8105, 0.5994, 0.3623



19.4537, 0.3463, 0.4202



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.



78.7386, 0.3654, 0.5481



80.8771, 0.3654, 0.5481



70.3123, 0.3060, 0.5952



19.9091, 0.3221, 0.3528



41.0950, 0.3663, 0.5474



3.8617, 0.3728, 0.5422



# Inverse Universe

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



8.6064, 0.1692, 0.0706



8.8361, 0.1692, 0.0706



19.5300, 0.2698, 0.1260



16.9001, 0.3027, 0.3048



4.5504, 0.1707, 0.0714

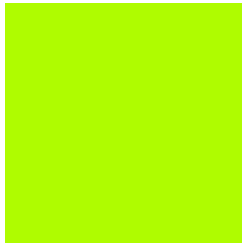


0.4745, 0.1832, 0.0783



# Previews

## White Background



This preview shows how the Yxy color 78.7348, 0.3654, 0.5481 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

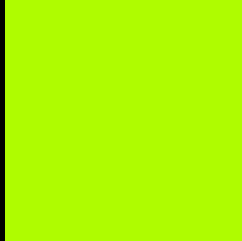
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.7348, 0.3654, 0.5481 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

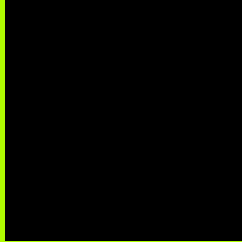
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.7348, 0.3654, 0.5481**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.7348, 0.3654, 0.5481.

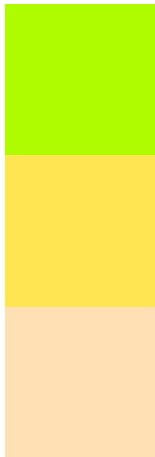


This preview shows how white text looks on a background with the Yxy color 78.7348, 0.3654, 0.5481.

# 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

78.7348, 0.3654, 0.5481

### Protanopia

77.8927, 0.4218, 0.4644

### Deuteranopia

77.9075, 0.3650, 0.3730



## Tritanopia

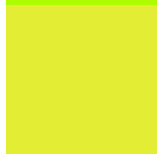
78.0796, 0.2794, 0.3085

# Trichromacy



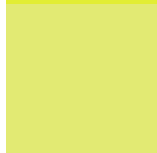
## Original Color

78.7348, 0.3654, 0.5481



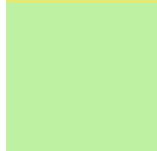
## Protanomaly

76.9851, 0.4041, 0.4996



## Deuteranomaly

76.2522, 0.3809, 0.4547



## Tritanomaly

76.4310, 0.3268, 0.4225

# Monochromacy



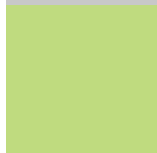
## Original Color

78.7348, 0.3654, 0.5481



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

63.2717, 0.3528, 0.4408

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.7348, 0.3654, 0.5481 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(175, 252, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 252, 0)  
}
```

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(175, 252, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 252, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 78.7348, 0.3654, 0.5481 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(175, 252, 0) }
```

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

```
.border{ border-color:rgb(175, 252, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 252, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 252, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 252, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 252,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.7348, 0.3654, 0.5481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 252, 0) }
```

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

```
.background{ background-color: rgb(175,  
252, 0) }
```

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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