

# Converting Colors

$Y_{xy}(72.9942, 0.3495, 0.5607)$

Have a look what the booklet for  
Yxy(72.9942, 0.3495, 0.5607)  
contains.

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**Color**

**Yxy(72.8174, 0.3499, 0.5604)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94F700
RGB	148, 247, 0
RGB Percent	58%, 97%, 0%
CMY	0.4198, 0.0313, 1.0000
CMYK	0.40, 0.00, 1.00, 0.03
HSL	84°, 100%, 48%
HSV	84°, 100%, 97%
XYZ	45.4654, 72.8174, 11.6555
YIQ	189.2410, 20.2830, -97.8050

# Conversions

## Conversions Part 2

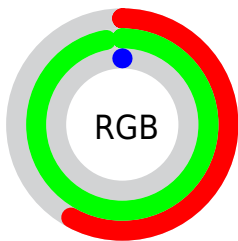
Format	Color
<a href="#">RYB</a>	<a href="#">0, 247, 99</a>
Decimal	<a href="#">9762560</a>
CIELab	<a href="#">88.36, -58.79, 84.97</a>
CIELCh	<a href="#">88, 103.327, 124.681</a>
Yxy	<a href="#">72.8174, 0.3499, 0.5604</a>
Android (android.graphics.Color)	<a href="#">4287952640 (0xFF94F700)</a>
YUV	<a href="#">189.2410, -93.2958, -36.1684</a>
Hunter-Lab	<a href="#">85.3331, -54.2283, 51.6349</a>

# Details

The Yxy color **72.8174, 0.3499, 0.5604** 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 **9.3729, 0.1829, 0.0781**, and the grayscale version is **51.5652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8480, 0.3695, 0.4958**, and **38.7582, 0.3296, 0.5765** is the 20% darker color. If you saturate the color by 10%, you get **72.8208, 0.3499, 0.5604**, and if you desaturate by 10%, it is **73.8530, 0.3545, 0.5511**.

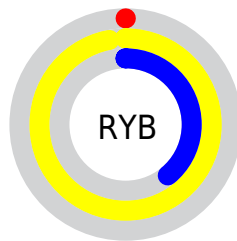
# Distribution



Red (58%)

Green (97%)

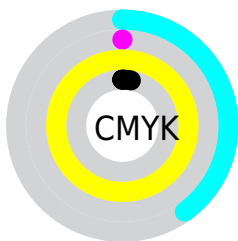
Blue (0%)



Red (0%)

Yellow (97%)

Blue (39%)

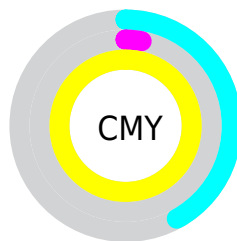


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (42%)

Magenta (3%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8174, 0.3499, 0.5604 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 72.8174, 0.3499, 0.5604 by changing the saturation by 10% instead.





 72.8174, 0.3499,  
0.5604


 72.8174, 0.3499,  
0.5604


470.3817, 0.3447,  
0.4511


 53.8267, 0.3472,  
0.5835


 123.2180, 0.3511,  
0.5235

 38.4631, 0.3418,  
0.6104


 155.3966, 0.3507,  
0.5087

 26.3423, 0.3319,  
0.6413


 192.7399, 0.3499,  
0.4958

 17.0799, 0.3175,  
0.6825

 235.6324, 0.3490,  
0.4846

 10.2915, 0.2855,  
0.7145

 284.4584, 0.3479,  
0.4747

 5.5926, 0.2399,  
0.7601


 339.6024, 0.3468,

 2.5990, 0.1605,

0.4659


0.8395


401.4487, 0.3457,  
0.4581


 0.9262, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 72.8174, 0.3499,  
0.5604


 72.8174, 0.3499,  
0.5604


 72.8208, 0.3499,  
0.5604

 73.8530, 0.3545,  
0.5511

 75.0535, 0.3572,  
0.5369


 76.4513, 0.3574,  
0.5176


 78.0643, 0.3552,  
0.4939

 79.9080, 0.3508,  
0.4670

 81.9959, 0.3448,  
0.4385

 84.3404, 0.3375,  
0.4095

 86.9529, 0.3295,  
0.3812

 89.8438, 0.3211,  
0.3542

# Harmonies

## Analogous

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



72.8174, 0.4528, 0.5042



72.8174, 0.3499, 0.5604



72.8174, 0.2437, 0.5154

# Triad

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



72.8174, 0.3499, 0.5604



72.8174, 0.1264, 0.1814



72.8174, 0.4759, 0.2698

# Complementary

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



72.8174, 0.3499, 0.5604



9.3729, 0.1829, 0.0781

# 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.



72.8174, 0.3503, 0.2093



72.8174, 0.3499, 0.5604



72.8174, 0.1611, 0.1603

# Square

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



72.8174, 0.3499, 0.5604



72.8174, 0.1252, 0.2469



72.8174, 0.2349, 0.1710



72.8174, 0.5452, 0.3414



# Rectangle

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



72.8174, 0.3499, 0.5604



72.8174, 0.1848, 0.4237



72.8174, 0.2349, 0.1710



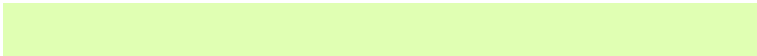
72.8174, 0.4369, 0.2478

# Sweetspot

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



72.8208, 0.3499, 0.5604



90.6526, 0.3375, 0.4097



28.6636, 0.5727, 0.3835



19.1683, 0.3407, 0.4219



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.



72.8208, 0.3499, 0.5604



78.2657, 0.3498, 0.5605



66.7331, 0.3019, 0.5985



18.9628, 0.3207, 0.3528



38.5924, 0.3510, 0.5595



3.4516, 0.3594, 0.5529



# Inverse Universe

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



9.3729, 0.1829, 0.0781



10.0608, 0.1827, 0.0780



22.2953, 0.2954, 0.1401



16.2510, 0.3042, 0.3050



5.0337, 0.1846, 0.0791

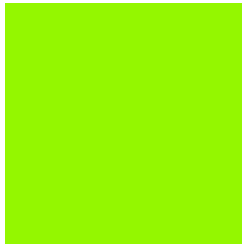


0.5005, 0.1985, 0.0867



# Previews

## White Background



This preview shows how the Yxy color 72.8174, 0.3499, 0.5604 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

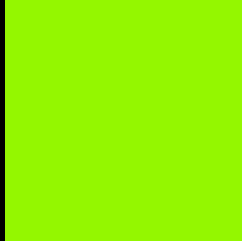
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.8174, 0.3499, 0.5604 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

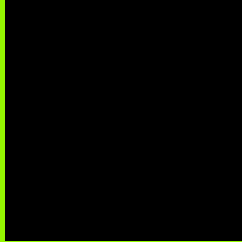
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

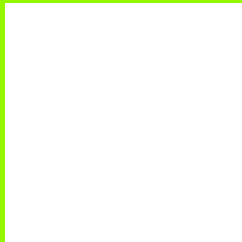
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.8174, 0.3499, 0.5604**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.8174, 0.3499, 0.5604.



This preview shows how white text looks on a background with the Yxy color 72.8174, 0.3499, 0.5604.

# 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

72.8174, 0.3499, 0.5604

### Protanopia

71.8526, 0.4410, 0.4881

### Deuteranopia

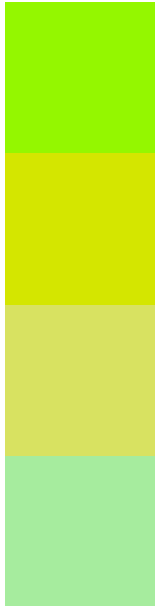
71.6530, 0.3884, 0.3917



## Tritanopia

72.6010, 0.2684, 0.3086

# Trichromacy



**Original Color**

72.8174, 0.3499, 0.5604

**Protanomaly**

70.5907, 0.4055, 0.5162

**Deuteranomaly**

69.8547, 0.3863, 0.4679

**Tritanomaly**

70.5665, 0.3132, 0.4259

# Monochromacy



**Original Color**

72.8174, 0.3499, 0.5604

**Achromatopsia**

50.8881, 0.3127, 0.3290

**Achromatomaly**

56.4479, 0.3464, 0.4456

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.8174, 0.3499, 0.5604 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(148, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 247, 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(148, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 247, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 72.8174, 0.3499, 0.5604 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(148, 247, 0) }
```

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

```
.border{ border-color:rgb(148, 247, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 247, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 247,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.8174, 0.3499, 0.5604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 247, 0) }
```

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

```
.background{ background-color: rgb(148,  
247, 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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