

# Converting Colors

Yxy(76.4809, 0.3608, 0.5518)

Have a look what the booklet for  
Yxy(76.4809, 0.3608, 0.5518)  
contains.

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**Color**

**Yxy(76.5867, 0.3610, 0.5516)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7FA00
RGB	167, 250, 0
RGB Percent	65%, 98%, 0%
CMY	0.3451, 0.0196, 1.0000
CMYK	0.33, 0.00, 1.00, 0.02
HSL	80°, 100%, 49%
HSV	80°, 100%, 98%
XYZ	50.1229, 76.5867, 12.1350
YIQ	196.6830, 30.7820, -95.3460

# Conversions

## Conversions Part 2

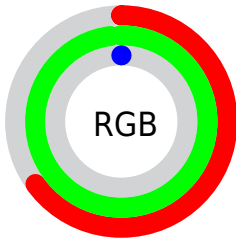
Format	Color
<b>RYB</b>	0, 250, 83
Decimal	11008512
CIELab	90.13, -53.50, 86.74
CIELCh	90, 101.911, 121.668
Yxy	76.5867, 0.3610, 0.5516
Android (android.graphics.Color)	4289198592 (0xFFA7FA00)
YUV	196.6830, -96.9647, -26.0320
Hunter-Lab	87.5138, -50.9146, 53.0383

# Details

The Yxy color **76.5867, 0.3610, 0.5516** 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 **8.7411, 0.1727, 0.0725**, and the grayscale version is **56.2195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8043, 0.3824, 0.4870**, and **41.2041, 0.3433, 0.5656** is the 20% darker color. If you saturate the color by 10%, you get **76.5904, 0.3610, 0.5516**, and if you desaturate by 10%, it is **77.5938, 0.3648, 0.5432**.

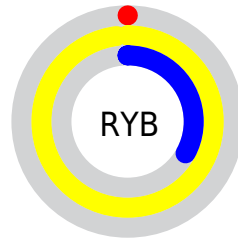
# Distribution



Red (65%)

Green (98%)

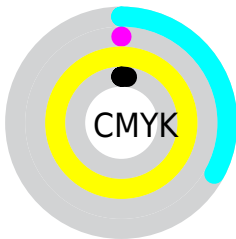
Blue (0%)



Red (0%)

Yellow (98%)

Blue (33%)

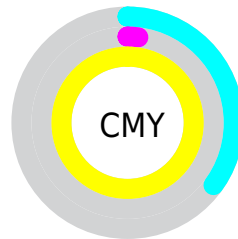


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (35%)

Magenta (2%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.5867, 0.3610, 0.5516 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 76.5867, 0.3610, 0.5516 by changing the saturation by 10% instead.





 76.5867, 0.3610,  
0.5516

 76.5867, 0.3610,  
0.5516


 483.3537, 0.3505,  
0.4487


 56.9137, 0.3596,  
0.5728

 128.5559, 0.3603,  
0.5173


 40.9360, 0.3559,  
0.5973


 161.6209, 0.3592,  
0.5034

 28.2691, 0.3483,  
0.6251


 199.9187, 0.3578,  
0.4913

 18.5286, 0.3375,  
0.6625

 243.8338, 0.3563,  
0.4807

 11.3301, 0.3099,  
0.6901

 293.7504, 0.3548,  
0.4713

 6.2894, 0.2707,  
0.7293

 350.0530, 0.3534,

 3.0218, 0.2118,

0.4629

0.7882

413.1260, 0.3519,  
0.4554

■ 1.1431, 0.0000,  
1.0000

■ 0.0145, 0.0000,  
1.0000

■ 76.5867, 0.3610,  
0.5516

■ 76.5867, 0.3610,  
0.5516

■ 76.5904, 0.3610,  
0.5516

■ 77.5938, 0.3648,  
0.5432

■ 78.7462, 0.3665,  
0.5302

■ 80.0763, 0.3657,  
0.5122

■ 81.6019, 0.3623,  
0.4898

■ 83.3380, 0.3568,  
0.4643

■ 85.2980, 0.3495,  
0.4368

■ 87.4936, 0.3410,  
0.4087

■ 89.9360, 0.3318,  
0.3808

■ 92.6352, 0.3222,  
0.3541

# Harmonies

## Analogous

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



76.5867, 0.4599, 0.4934



76.5867, 0.3610, 0.5516



76.5867, 0.2562, 0.5188

# Triad

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



76.5867, 0.3610, 0.5516



76.5867, 0.1287, 0.1893



76.5867, 0.4603, 0.2650

# Complementary

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



76.5867, 0.3610, 0.5516



8.7411, 0.1727, 0.0725

# 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.



76.5867, 0.3369, 0.2072



76.5867, 0.3610, 0.5516



76.5867, 0.1595, 0.1646

# Square

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



76.5867, 0.3610, 0.5516



76.5867, 0.1312, 0.2593



76.5867, 0.2279, 0.1721



76.5867, 0.5359, 0.3349



# Rectangle

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



76.5867, 0.3610, 0.5516



76.5867, 0.1961, 0.4355



76.5867, 0.2279, 0.1721



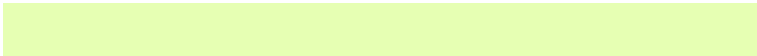
76.5867, 0.4212, 0.2438

# Sweetspot

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



76.5904, 0.3610, 0.5516



91.5121, 0.3410, 0.4087



25.9410, 0.5952, 0.3656



19.3734, 0.3447, 0.4206



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.



76.5904, 0.3610, 0.5516



80.1050, 0.3609, 0.5516



68.9507, 0.3051, 0.5959



19.8853, 0.3217, 0.3528



40.7063, 0.3619, 0.5508



3.8279, 0.3689, 0.5453



# Inverse Universe

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



8.7411, 0.1727, 0.0725



9.1350, 0.1726, 0.0724



19.7638, 0.2740, 0.1283



16.9229, 0.3031, 0.3048



4.7061, 0.1742, 0.0733

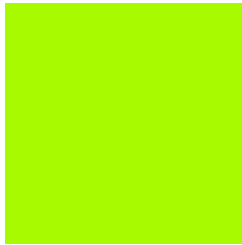


0.4911, 0.1870, 0.0804



# Previews

## White Background



This preview shows how the Yxy color 76.5867, 0.3610, 0.5516 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

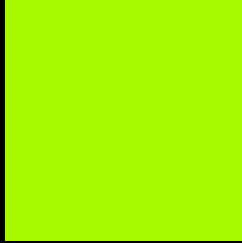
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.5867, 0.3610, 0.5516 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

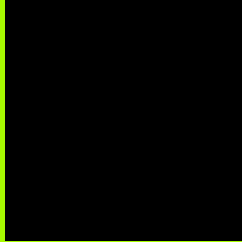
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

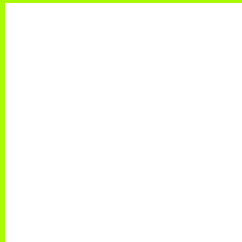
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.5867, 0.3610, 0.5516**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.5867, 0.3610, 0.5516.



This preview shows how white text looks on a background with the Yxy color 76.5867, 0.3610, 0.5516.

# 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

76.5867, 0.3610, 0.5516

### Protanopia

75.6527, 0.4413, 0.4878

### Deuteranopia

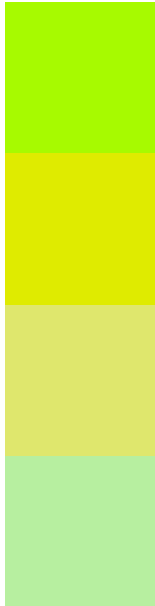
75.4250, 0.3726, 0.3783



## Tritanopia

75.8847, 0.2762, 0.3082

# Trichromacy



**Original Color**

76.5867, 0.3610, 0.5516

**Protanomaly**

75.1046, 0.4103, 0.5124

**Deuteranomaly**

73.9439, 0.3832, 0.4587

**Tritanomaly**

74.3383, 0.3229, 0.4231

# Monochromacy



**Original Color**

76.5867, 0.3610, 0.5516

**Achromatopsia**

55.8340, 0.3127, 0.3290

**Achromatomaly**

61.0315, 0.3511, 0.4417

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.5867, 0.3610, 0.5516 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(167, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(167, 250, 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(167, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 250, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 76.5867, 0.3610, 0.5516 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(167, 250, 0) }
```

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

```
.border{ border-color:rgb(167, 250, 0) }
```

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

Here you see how a box with a 4 pixel rgb(167, 250, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(167, 250,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.5867, 0.3610, 0.5516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 250, 0) }
```

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

```
.background{ background-color: rgb(167,  
250, 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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