

Converting Colors

$Yxy(77.8052, 0.3471, 0.5408)$

Have a look what the booklet for
Yxy(77.8052, 0.3471, 0.5408)
contains.

Yxy(77.8052, 0.3471, 0.5408)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.8052, 0.3471, 0.5408)

Conversions

Conversions Part 1

Format	Color
Hex	9EFD38
RGB	158, 253, 56
RGB Percent	62%, 99%, 22%
CMY	0.3805, 0.0078, 0.7803
CMYK	0.38, 0.00, 0.78, 0.01
HSL	89°, 98%, 61%
HSV	89°, 78%, 99%
XYZ	49.9375, 77.8052, 16.1279
YIQ	202.1370, 6.6170, -81.4070

Conversions

Conversions Part 2

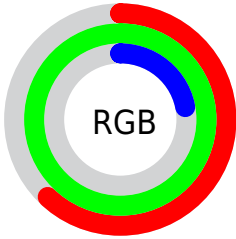
Format	Color
RYB	56, 253, 151
Decimal	10419512
CIELab	90.69, -56.42, 78.13
CIElCh	91, 96.369, 125.832
Yxy	77.8052, 0.3471, 0.5408
Android (android.graphics.Color)	4288609592 (0xFF9EFD38)
YUV	202.1370, -72.0455, -38.7081
Hunter-Lab	88.2073, -53.3071, 50.9044

Details

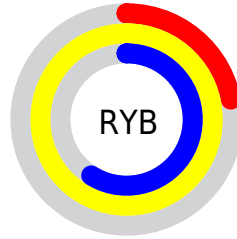
The Yxy color **77.8052, 0.3471, 0.5408** is a light color, and the websafe version is hex **99FF33**, and the color name is **french lime**. The color can be described as light washed chartreuse. A complement of this color would be **16.5048, 0.2234, 0.1155**, and the grayscale version is **59.6088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7334, 0.3650, 0.4713**, and **42.0212, 0.3356, 0.5717** is the 20% darker color. If you saturate the color by 10%, you get **76.4437, 0.3440, 0.5573**, and if you desaturate by 10%, it is **79.4213, 0.3479, 0.5190**.

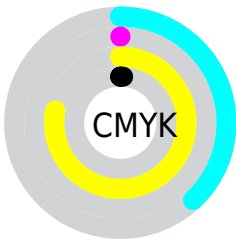
Distribution



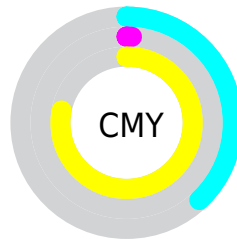
- Red (62%)
- Green (99%)
- Blue (22%)



- Red (22%)
- Yellow (99%)
- Blue (59%)



- Cyan (38%)
- Magenta (0%)
- Yellow (78%)
- Black (1%)




- Cyan (38%)
- Magenta (1%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.8052, 0.3471, 0.5408 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 77.8052, 0.3471, 0.5408 by changing the saturation by 10% instead.


 77.8052, 0.3471,
0.5408

 77.8052, 0.3471,
0.5408


487.5050, 0.3406,
0.4406

 57.9140, 0.3456,
0.5625


 130.2755, 0.3472,
0.5066

 41.7395, 0.3422,
0.5882


 163.6233, 0.3465,
0.4931

 28.8974, 0.3353,
0.6185


 202.2255, 0.3457,
0.4814

 19.0032, 0.3231,
0.6546

 246.4664, 0.3447,
0.4711

 11.6726, 0.3019,
0.6981

 296.7304, 0.3437,
0.4621

 6.5211, 0.2616,
0.7384


353.4019, 0.3426,


 3.1645, 0.2018,


0.4541

0.7982


416.8653, 0.3416,
0.4470


 1.2182, 0.0000,
1.0000


 0.0765, 0.0000,
1.0000


 77.8052, 0.3471,
0.5408


 77.8052, 0.3471,
0.5408


 76.4437, 0.3440,
0.5573


 79.4213, 0.3479,
0.5190


 75.3008, 0.3389,
0.5681


 81.3018, 0.3465,
0.4929


 75.0779, 0.3377,
0.5700

 83.4676, 0.3431,
0.4642

 85.9339, 0.3381,
0.4342

 88.7152, 0.3320,
0.4044

 91.8244, 0.3253,
0.3757

 95.2739, 0.3183,
0.3487

98.7354, 0.3128,
0.3271

Harmonies

Analogous

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



77.8052, 0.4432, 0.4974



77.8052, 0.3471, 0.5408



77.8052, 0.2477, 0.4925

Triad

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



77.8052, 0.3471, 0.5408



77.8052, 0.1386, 0.1908



77.8052, 0.4658, 0.2777

Complementary

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



77.8052, 0.3471, 0.5408



16.5048, 0.2234, 0.1155

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.



77.8052, 0.3525, 0.2194



77.8052, 0.3471, 0.5408



77.8052, 0.1732, 0.1711

Square

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



77.8052, 0.3471, 0.5408



77.8052, 0.1368, 0.2517



77.8052, 0.2448, 0.1820



77.8052, 0.5276, 0.3467

Rectangle

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



77.8052, 0.3471, 0.5408



77.8052, 0.1928, 0.4099



77.8052, 0.2448, 0.1820



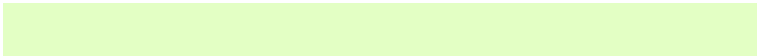
77.8052, 0.4309, 0.2566

Sweetspot

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



77.8086, 0.3471, 0.5408



91.8051, 0.3288, 0.3903



42.3320, 0.5014, 0.4097



19.4104, 0.3312, 0.4008



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.



77.8086, 0.3471, 0.5408



77.1915, 0.3416, 0.5635



71.5841, 0.3029, 0.5726



20.6305, 0.3194, 0.3530



40.0232, 0.3389, 0.5691



3.9620, 0.3473, 0.5624

Inverse Universe

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



16.5048, 0.2234, 0.1155



12.5729, 0.2046, 0.0925



29.5947, 0.3140, 0.1621



17.8076, 0.3055, 0.3050



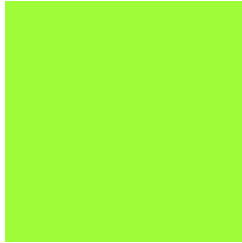
6.0610, 0.1987, 0.0868



0.6548, 0.2111, 0.0936

Previews

White Background



This preview shows how the Yxy color 77.8052, 0.3471, 0.5408 looks on a white background.

Color Contrast Check

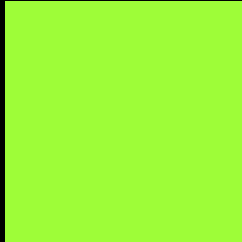
Large Text (above 18pt) WCAG AA × Fail

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 77.8052, 0.3471, 0.5408 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

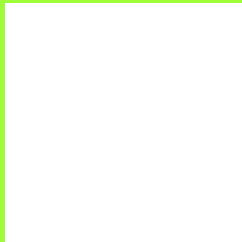
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8052, 0.3471, 0.5408

Background



This preview shows how black text looks on a background with the Yxy color 77.8052, 0.3471, 0.5408.

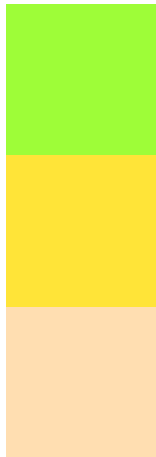


This preview shows how white text looks on a background with the Yxy color 77.8052, 0.3471, 0.5408.

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

77.8052, 0.3471, 0.5408

Protanopia

77.0323, 0.4311, 0.4765

Deuteranopia

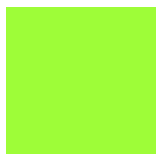
76.6769, 0.3684, 0.3751



Tritanopia

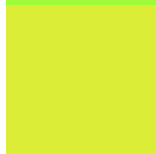
77.5252, 0.2705, 0.3082

Trichromacy



Original Color

77.8052, 0.3471, 0.5408



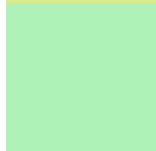
Protanomaly

76.0695, 0.3986, 0.5011



Deuteranomaly

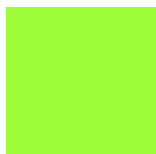
75.1869, 0.3668, 0.4385



Tritanomaly

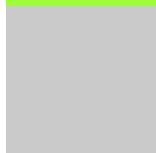
76.0371, 0.3045, 0.3993

Monochromacy



Original Color

77.8052, 0.3471, 0.5408



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

64.3219, 0.3346, 0.4177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8052, 0.3471, 0.5408 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(158, 253, 56)` looks like.

```
.text, #text, p{  
    color:rgb(158, 253, 56)  
}
```

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(158, 253, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 253, 56) }
```

Border

The CSS property to change the border of an element to Yxy 77.8052, 0.3471, 0.5408 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(158, 253, 56) }
```

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

```
.border{ border-color:rgb(158, 253, 56) }
```

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

Here you see how a box with a 4 pixel rgb(158, 253, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 253, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 253, 56);  
box-shadow:4px 4px 4px 4px rgb(158, 253,  
56) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 77.8052, 0.3471, 0.5408$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 253, 56) }
```

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

```
.background{ background-color: rgb(158,  
253, 56) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor