

Converting Colors

$Yxy(88.9204, 0.3334, 0.5535)$

Have a look what the booklet for
Yxy(88.9204, 0.3334, 0.5535)
contains.

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Color

Yxy(77.7447, 0.3378, 0.5471)

Conversions

Conversions Part 1

Format	Color
Hex	90FF39
RGB	144, 255, 57
RGB Percent	56%, 100%, 22%
CMY	0.4353, 0.0000, 0.7762
CMYK	0.44, 0.00, 0.78, 0.00
HSL	94°, 100%, 61%
HSV	94°, 78%, 100%
XYZ	48.0025, 77.7447, 16.3561
YIQ	199.2390, -2.5980, -85.1100

Conversions

Conversions Part 2

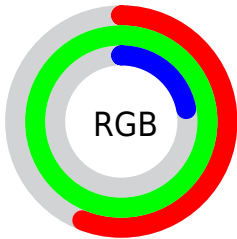
Format	Color
RYB	57, 255, 168
Decimal	9502521
CIELab	90.66, -61.58, 77.59
CIELCh	91, 99.051, 128.438
Yxy	77.7447, 0.3378, 0.5471
Android (android.graphics.Color)	4287692601 (0xFF90FF39)
YUV	199.2390, -70.1238, -48.4446
Hunter-Lab	88.1730, -57.1250, 50.7228

Details

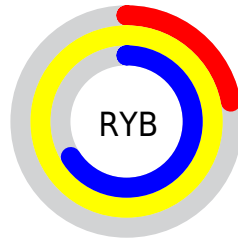
The Yxy color **77.7447, 0.3378, 0.5471** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **18.4864, 0.2371, 0.1229**, and the grayscale version is **57.7132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8310, 0.3556, 0.4749**, and **41.6818, 0.3251, 0.5801** is the 20% darker color. If you saturate the color by 10%, you get **76.3447, 0.3341, 0.5646**, and if you desaturate by 10%, it is **79.4383, 0.3394, 0.5239**.

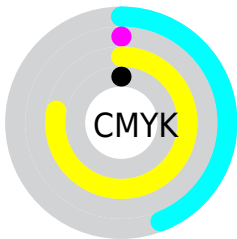
Distribution



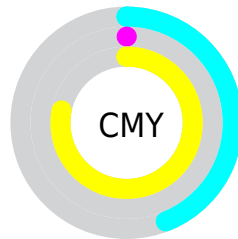
- Red (56%)
- Green (100%)
- Blue (22%)



- Red (22%)
- Yellow (100%)
- Blue (66%)



- Cyan (44%)
- Magenta (0%)
- Yellow (78%)
- Black (0%)



- Cyan (44%)
- Magenta (0%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7447, 0.3378, 0.5471 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 77.7447, 0.3378, 0.5471 by changing the saturation by 10% instead.


 77.7447, 0.3378,
0.5471

 77.7447, 0.3378,
0.5471


487.2994, 0.3358,
0.4430


 57.8643, 0.3353,
0.5700


 130.1902, 0.3394,
0.5114


 41.6995, 0.3306,
0.5971


 163.5240, 0.3394,
0.4973

 28.8661, 0.3223,
0.6294

 202.1111, 0.3390,
0.4851

 18.9796, 0.3080,
0.6680

 246.3359, 0.3385,
0.4744

 11.6555, 0.2845,
0.7155

 296.5827, 0.3379,
0.4651

 6.5096, 0.2410,
0.7590


353.2359, 0.3372,


 3.1573, 0.1753,

0.4569

0.8247

416.6800, 0.3365,
0.4495


 1.2144, 0.0000,
1.0000


 0.0734, 0.0000,
1.0000


 77.7447, 0.3378,
0.5471


 77.7447, 0.3378,
0.5471


 76.3447, 0.3341,
0.5646


 79.4383, 0.3394,
0.5239

 75.2058, 0.3287,
0.5761

 81.4439, 0.3390,
0.4964

 74.9647, 0.3274,
0.5783

 83.7826, 0.3368,
0.4663

 86.4722, 0.3330,
0.4352

■ 89.5290, 0.3283,
0.4046

■ 92.9682, 0.3229,
0.3753

■ 96.8040, 0.3171,
0.3481

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



77.7447, 0.4372, 0.5065



77.7447, 0.3378, 0.5471



77.7447, 0.2373, 0.4883

Triad

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



77.7447, 0.3378, 0.5471



77.7447, 0.1368, 0.1844



77.7447, 0.4783, 0.2819

Complementary

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



77.7447, 0.3378, 0.5471



18.4864, 0.2371, 0.1229

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.



77.7447, 0.3640, 0.2214



77.7447, 0.3378, 0.5471



77.7447, 0.1750, 0.1677

Square

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



77.7447, 0.3378, 0.5471



77.7447, 0.1320, 0.2418



77.7447, 0.2512, 0.1813



77.7447, 0.5347, 0.3524

Rectangle

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



77.7447, 0.3378, 0.5471



77.7447, 0.1836, 0.3999



77.7447, 0.2512, 0.1813



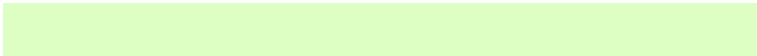
77.7447, 0.4439, 0.2602

Sweetspot

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



77.7461, 0.3378, 0.5471



91.0684, 0.3258, 0.3909



48.8049, 0.4844, 0.4252



19.2331, 0.3278, 0.4016



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.



77.7461, 0.3378, 0.5471



75.7014, 0.3314, 0.5715



72.7971, 0.2991, 0.5661



20.5584, 0.3182, 0.3531



39.2555, 0.3286, 0.5773



3.8855, 0.3373, 0.5703

Inverse Universe

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



18.4864, 0.2371, 0.1229



14.2118, 0.2200, 0.1008



30.7928, 0.3302, 0.1717



17.8802, 0.3067, 0.3051



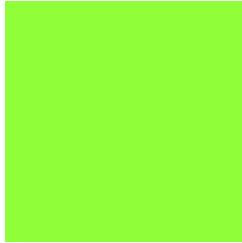
6.9140, 0.2145, 0.0955



0.7379, 0.2260, 0.1019

Previews

White Background



This preview shows how the Yxy color 77.7447, 0.3378, 0.5471 looks on a white background.

Color Contrast Check

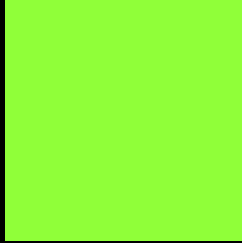
Large Text (above 18pt) WCAG AA × Fail

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 77.7447, 0.3378, 0.5471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

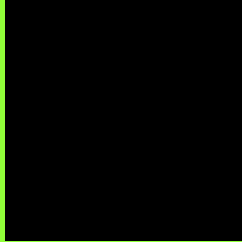
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.7447, 0.3378, 0.5471

Background



This preview shows how black text looks on a background with the Yxy color 77.7447, 0.3378, 0.5471.

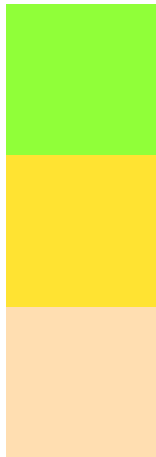


This preview shows how white text looks on a background with the Yxy color 77.7447, 0.3378, 0.5471.

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

77.7447, 0.3378, 0.5471

Protanopia

76.4285, 0.4335, 0.4782

Deuteranopia

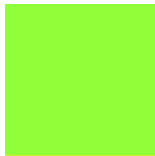
76.6769, 0.3684, 0.3751



Tritanopia

77.1355, 0.2663, 0.3090

Trichromacy



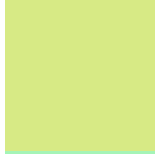
Original Color

77.7447, 0.3378, 0.5471



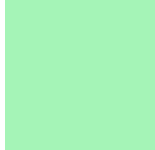
Protanomaly

75.2725, 0.3956, 0.5051



Deuteranomaly

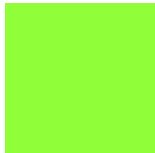
74.9862, 0.3627, 0.4409



Tritanomaly

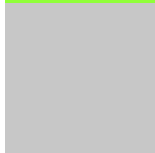
76.1196, 0.2984, 0.4026

Monochromacy



Original Color

77.7447, 0.3378, 0.5471



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.3533, 0.3310, 0.4196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7447, 0.3378, 0.5471 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(144, 255, 57)` looks like.

```
.text, #text, p{  
    color:rgb(144, 255, 57)  
}
```

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(144, 255, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 255, 57) }
```

Border

The CSS property to change the border of an element to Yxy 77.7447, 0.3378, 0.5471 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(144, 255, 57) }
```

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

```
.border{ border-color:rgb(144, 255, 57) }
```

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

Here you see how a box with a 4 pixel rgb(144, 255, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 255, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 255, 57);  
box-shadow:4px 4px 4px 4px rgb(144, 255,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7447, 0.3378, 0.5471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 255, 57) }
```

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

```
.background{ background-color: rgb(144,  
255, 57) }
```

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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