

# Converting Colors

$Yxy(77.2594, 0.3281, 0.5372)$

Have a look what the booklet for  
Yxy(77.2594, 0.3281, 0.5372)  
contains.

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**Color**

**Yxy(77.2901, 0.3282, 0.5368)**

# Conversions

## Conversions Part 1

Format	Color
Hex	88FF4D
RGB	136, 255, 77
RGB Percent	53%, 100%, 30%
CMY	0.4665, 0.0000, 0.6983
CMYK	0.47, 0.00, 0.70, 0.00
HSL	100°, 100%, 65%
HSV	100°, 70%, 100%
XYZ	47.2552, 77.2901, 19.4377
YIQ	199.1270, -13.7860, -80.5860

# Conversions

## Conversions Part 2

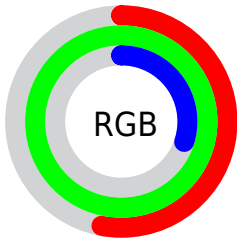
Format	Color
<a href="#">RYB</a>	<a href="#">77, 255, 196</a>
Decimal	<a href="#">8978253</a>
CIELab	<a href="#">90.45, -62.76, 70.93</a>
CIELCh	<a href="#">90, 94.706, 131.501</a>
Yxy	<a href="#">77.2901, 0.3282, 0.5368</a>
Android (android.graphics.Color)	<a href="#">4287168333 (0xFF88FF4D)</a>
YUV	<a href="#">199.1270, -60.2086, -55.3624</a>
Hunter-Lab	<a href="#">87.9148, -57.9050, 48.4315</a>

# Details

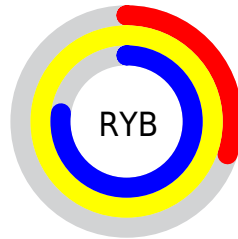
The Yxy color **77.2901, 0.3282, 0.5368** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **24.2440, 0.2638, 0.1472**, and the grayscale version is **57.5794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1396, 0.3427, 0.4619**, and **41.3102, 0.3201, 0.5841** is the 20% darker color. If you saturate the color by 10%, you get **75.6846, 0.3254, 0.5601**, and if you desaturate by 10%, it is **79.2674, 0.3293, 0.5085**.

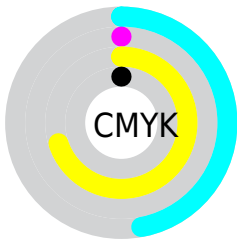
# Distribution



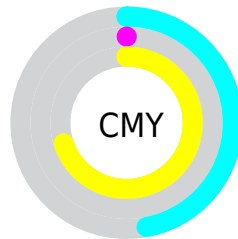
- Red (53%)
- Green (100%)
- Blue (30%)



- Red (30%)
- Yellow (100%)
- Blue (77%)



- Cyan (47%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)




- Cyan (47%)
- Magenta (0%)
- Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.2901, 0.3282, 0.5368 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 77.2901, 0.3282, 0.5368 by changing the saturation by 10% instead.



 77.2901, 0.3282,  
0.5368

 77.2901, 0.3282,  
0.5368


485.7526, 0.3291,  
0.4362

 57.4910, 0.3255,  
0.5596

 129.5489, 0.3304,  
0.5018

 41.3996, 0.3209,  
0.5871

 162.7774, 0.3307,  
0.4881


 28.6314, 0.3129,  
0.6205


 201.2512, 0.3307,  
0.4764

 18.8022, 0.2992,  
0.6610

 245.3546, 0.3306,  
0.4662

 11.5274, 0.2798,  
0.7202

 295.4720, 0.3303,  
0.4573

 6.4228, 0.2353,  
0.7647


351.9879, 0.3299,


 3.1038, 0.1666,


0.4494


0.8334


415.2866, 0.3295,  
0.4424

 1.1862, 0.0000,  
1.0000


 0.0504, 0.0000,  
1.0000


 77.2901, 0.3282,  
0.5368


 77.2901, 0.3282,  
0.5368


 75.6846, 0.3254,  
0.5601


 79.2674, 0.3293,  
0.5085


 74.4167, 0.3211,  
0.5769


 81.6353, 0.3288,  
0.4772

 73.4485, 0.3159,  
0.5873

 84.4179, 0.3270,  
0.4447

 73.4337, 0.3158,  
0.5875

 87.6359, 0.3241,  
0.4126

 91.3080, 0.3206,  
0.3822

 95.4522, 0.3167,  
0.3541

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.



77.2901, 0.4254, 0.5078



77.2901, 0.3282, 0.5368



77.2901, 0.2320, 0.4692

# Triad

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



77.2901, 0.3282, 0.5368



77.2901, 0.1444, 0.1861



77.2901, 0.4804, 0.2909

# Complementary

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



77.2901, 0.3282, 0.5368



24.2440, 0.2638, 0.1472

# 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.



77.2901, 0.3743, 0.2304



77.2901, 0.3282, 0.5368



77.2901, 0.1853, 0.1727

# Square

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



77.2901, 0.3282, 0.5368



77.2901, 0.1366, 0.2378



77.2901, 0.2635, 0.1888



77.2901, 0.5275, 0.3606



# Rectangle

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



77.2901, 0.3282, 0.5368



77.2901, 0.1822, 0.3833



77.2901, 0.2635, 0.1888



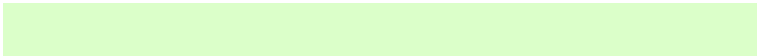
77.2901, 0.4493, 0.2693

# Sweetspot

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



77.2921, 0.3282, 0.5368



90.8526, 0.3211, 0.3857



61.1164, 0.4481, 0.4401



19.2225, 0.3221, 0.3939



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.



77.2921, 0.3282, 0.5368



75.1158, 0.3238, 0.5679



74.1491, 0.2929, 0.5239



20.4609, 0.3166, 0.3532



38.4430, 0.3169, 0.5866



3.7998, 0.3253, 0.5799



# Inverse Universe

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



24.2440, 0.2638, 0.1472



18.9721, 0.2509, 0.1234



32.0140, 0.3504, 0.1950



17.9807, 0.3084, 0.3052



8.3450, 0.2385, 0.1088

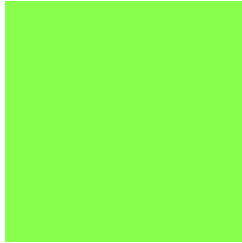


0.8722, 0.2480, 0.1140



# Previews

## White Background



This preview shows how the Yxy color 77.2901, 0.3282, 0.5368 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

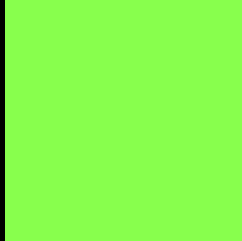
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.2901, 0.3282, 0.5368 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

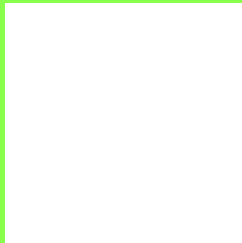
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.2901, 0.3282, 0.5368**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.2901, 0.3282, 0.5368.

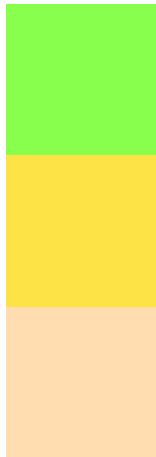


This preview shows how white text looks on a background with the Yxy color 77.2901, 0.3282, 0.5368.

# 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

77.2901, 0.3282, 0.5368

### Protanopia

76.2505, 0.4262, 0.4707

### Deuteranopia

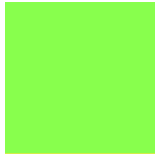
76.1075, 0.3694, 0.3752



## Tritanopia

76.5590, 0.2637, 0.3089

# Trichromacy



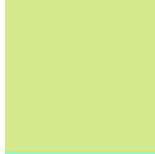
## Original Color

77.2901, 0.3282, 0.5368



## Protanomaly

74.7379, 0.3862, 0.4974



## Deuteranomaly

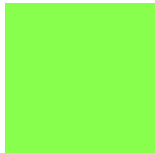
74.1683, 0.3567, 0.4335



## Tritanomaly

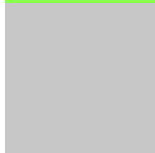
75.7900, 0.2912, 0.3945

# Monochromacy



## Original Color

77.2901, 0.3282, 0.5368



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

62.2597, 0.3237, 0.4100

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.2901, 0.3282, 0.5368 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(136, 255, 77)` looks like.

```
.text, #text, p{  
    color:rgb(136, 255, 77)  
}
```

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(136, 255, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 255, 77) }
```

## Border

The CSS property to change the border of an element to Yxy 77.2901, 0.3282, 0.5368 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(136, 255, 77) }
```

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

```
.border{ border-color:rgb(136, 255, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 255, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 255, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 255, 77);  
box-shadow:4px 4px 4px 4px rgb(136, 255,  
77) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.2901, 0.3282, 0.5368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 255, 77) }
```

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

```
.background{ background-color: rgb(136,  
255, 77) }
```

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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