

# Converting Colors

Yxy(77.5842, 0.3866, 0.5312)

Have a look what the booklet for  
Yxy(77.5842, 0.3866, 0.5312)  
contains.

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**Color**

**Yxy(77.5842, 0.3866, 0.5312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8F500
RGB	200, 245, 0
RGB Percent	78%, 96%, 0%
CMY	0.2158, 0.0392, 0.9990
CMYK	0.18, 0.00, 1.00, 0.04
HSL	71°, 100%, 48%
HSV	71°, 100%, 96%
XYZ	56.4647, 77.5842, 12.0057
YIQ	203.6150, 51.8250, -85.7350

# Conversions

## Conversions Part 2

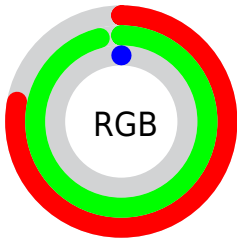
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 245, 45
Decimal	13169920
CIELab	90.59, -39.12, 87.87
CIELCh	91, 96.184, 113.996
Yxy	77.5842, 0.3866, 0.5312
Android (android.graphics.Color)	4291360000 (0xFFC8F500)
YUV	203.6150, -100.3822, -3.1704
Hunter-Lab	88.0819, -39.7163, 53.5760

# Details

The Yxy color **77.5842, 0.3866, 0.5312** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.1642, 0.1575, 0.0642**, and the grayscale version is **60.7654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5703, 0.4013, 0.4755**, and **41.9706, 0.3741, 0.5412** is the 20% darker color. If you saturate the color by 10%, you get **77.5805, 0.3866, 0.5313**, and if you desaturate by 10%, it is **78.2864, 0.3880, 0.5250**.

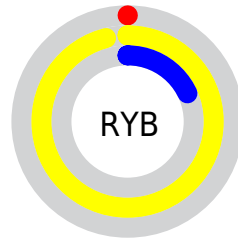
# Distribution



Red (78%)

Green (96%)

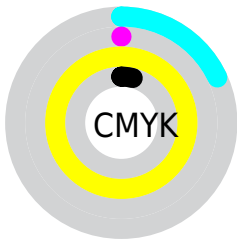
Blue (0%)



Red (0%)

Yellow (96%)

Blue (18%)

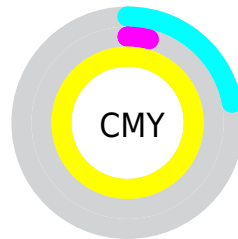


Cyan (18%)

Magenta (0%)

Yellow (100%)

Black (4%)



Cyan (22%)

Magenta (4%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.5842, 0.3866, 0.5312 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 77.5842, 0.3866, 0.5312 by changing the saturation by 10% instead.





 77.5842, 0.3866,  
0.5312


 77.5842, 0.3866,  
0.5312

486.7536, 0.3638,  
0.4410

 57.7325, 0.3881,  
0.5489


 129.9638, 0.3816,  
0.5019


 41.5936, 0.3879,  
0.5689


 163.2605, 0.3788,  
0.4898


 28.7832, 0.3848,  
0.5911


 201.8076, 0.3760,  
0.4792

 18.9169, 0.3798,  
0.6202

 245.9895, 0.3733,  
0.4698

 11.6102, 0.3600,  
0.6400

 296.1907, 0.3707,  
0.4614

 6.4789, 0.3316,  
0.6684


 352.7955, 0.3682,


 3.1384, 0.2878,


0.4539


0.7122


416.1883, 0.3659,  
0.4471


 1.2044, 0.1169,  
0.8831


 0.0653, 0.0000,  
1.0000


 77.5842, 0.3866,  
0.5312


 77.5842, 0.3866,  
0.5312

 77.5805, 0.3866,  
0.5313

 78.2864, 0.3880,  
0.5250

 79.0898, 0.3873,  
0.5147

 80.0242, 0.3838,  
0.4997

 81.1058, 0.3779,  
0.4805

■ 82.3481, 0.3696,  
0.4577

■ 83.7628, 0.3596,  
0.4326

■ 85.3607, 0.3484,  
0.4063

■ 87.1514, 0.3366,  
0.3797

■ 89.1439, 0.3245,  
0.3536

# Harmonies

## Analogous

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



77.5842, 0.4752, 0.4685



77.5842, 0.3866, 0.5312



77.5842, 0.2858, 0.5246

# Triad

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



77.5842, 0.3866, 0.5312



77.5842, 0.1341, 0.2092



77.5842, 0.4240, 0.2529

# Complementary

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



77.5842, 0.3866, 0.5312



7.1642, 0.1575, 0.0642

# 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.



77.5842, 0.3068, 0.2018



77.5842, 0.3866, 0.5312



77.5842, 0.1556, 0.1749

# Square

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



77.5842, 0.3866, 0.5312



77.5842, 0.1459, 0.2902



77.5842, 0.2119, 0.1745



77.5842, 0.5121, 0.3187



# Rectangle

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



77.5842, 0.3866, 0.5312



77.5842, 0.2236, 0.4615



77.5842, 0.2119, 0.1745



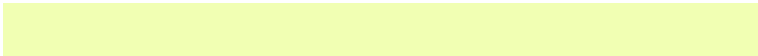
77.5842, 0.3850, 0.2337

# Sweetspot

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



77.5877, 0.3866, 0.5312



93.4407, 0.3486, 0.4067



21.3025, 0.6227, 0.3436



19.8369, 0.3535, 0.4180



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.



77.5877, 0.3866, 0.5312



84.9383, 0.3865, 0.5313



66.9239, 0.3146, 0.5884



19.1504, 0.3240, 0.3526



41.8451, 0.3871, 0.5308



3.7169, 0.3914, 0.5274



# Inverse Universe

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



7.1642, 0.1575, 0.0642



7.8230, 0.1573, 0.0640



14.8702, 0.2410, 0.1102



16.0734, 0.3008, 0.3047



3.8962, 0.1585, 0.0647

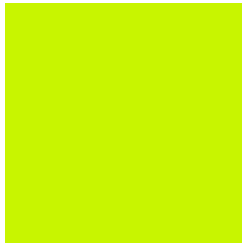


0.3819, 0.1692, 0.0706



# Previews

## White Background



This preview shows how the Yxy color 77.5842, 0.3866, 0.5312 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 77.5842, 0.3866, 0.5312 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 77.5842, 0.3866, 0.5312**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.5842, 0.3866, 0.5312.

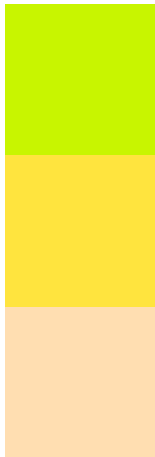


This preview shows how white text looks on a background with the Yxy color 77.5842, 0.3866, 0.5312.

# 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

77.5842, 0.3866, 0.5312

### Protanopia

77.0946, 0.4293, 0.4738

### Deuteranopia

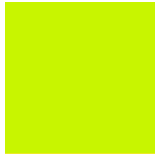
76.6769, 0.3684, 0.3751



## Tritanopia

77.3563, 0.2962, 0.3101

# Trichromacy



## Original Color

77.5842, 0.3866, 0.5312



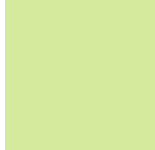
## Protanomaly

76.6610, 0.4156, 0.4973



## Deuteranomaly

75.4481, 0.3908, 0.4499



## Tritanomaly

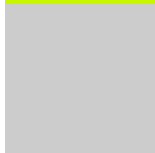
75.4261, 0.3468, 0.4155

# Monochromacy



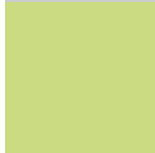
## Original Color

77.5842, 0.3866, 0.5312



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

64.9713, 0.3605, 0.4338

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.5842, 0.3866, 0.5312 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(200, 245, 0)` looks like.

```
.text, #text, p{  
    color:rgb(200, 245, 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(200, 245, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 245, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 77.5842, 0.3866, 0.5312 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(200, 245, 0) }
```

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

```
.border{ border-color:rgb(200, 245, 0) }
```

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

Here you see how a box with a 4 pixel rgb(200, 245, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 245, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 245, 0);  
box-shadow:4px 4px 4px 4px rgb(200, 245,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.5842, 0.3866, 0.5312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 245, 0) }
```

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

```
.background{ background-color: rgb(200,  
245, 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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