

# Converting Colors

Yxy(83.4359, 0.3788, 0.5368)

Have a look what the booklet for  
Yxy(83.4359, 0.3788, 0.5368)  
contains.

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**Color**

**Yxy(83.3991, 0.3786, 0.5370)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5FF04
RGB	197, 255, 4
RGB Percent	77%, 100%, 2%
CMY	0.2276, 0.0000, 0.9849
CMYK	0.23, 0.00, 0.98, 0.00
HSL	74°, 100%, 51%
HSV	74°, 98%, 100%
XYZ	58.7987, 83.3991, 13.1078
YIQ	209.0440, 46.0030, -90.3570

# Conversions

## Conversions Part 2

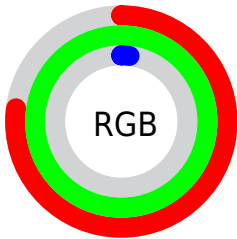
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	4, 255, 62
Decimal	12975876
CIE Lab	93.19, -44.61, 89.50
CIE LCh	93, 100.002, 116.490
Yxy	83.3991, 0.3786, 0.5370
Android (android.graphics.Color)	4291165956 (0xFFC5FF04)
YUV	209.0440, -101.0867, -10.5626
Hunter-Lab	91.3231, -44.8876, 55.4162

# Details

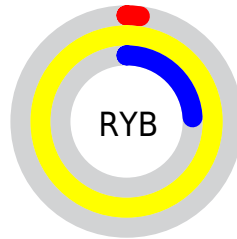
The Yxy color **83.3991, 0.3786, 0.5370** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **8.3238, 0.1625, 0.0674**, and the grayscale version is **64.4200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **45.7065, 0.3657, 0.5478** is the 20% darker color. If you saturate the color by 10%, you get **83.2650, 0.3782, 0.5379**, and if you desaturate by 10%, it is **84.2858, 0.3807, 0.5297**.

# Distribution



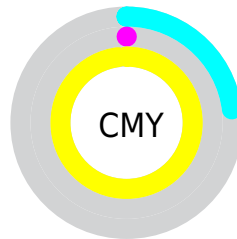
- Red (77%)
- Green (100%)
- Blue (2%)



- Red (2%)
- Yellow (100%)
- Blue (24%)



- Cyan (23%)
- Magenta (0%)
- Yellow (98%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (98%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3991, 0.3786, 0.5370 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 83.3991, 0.3786, 0.5370 by changing the saturation by 10% instead.




 83.3991, 0.3786,  
0.5370


 83.3991, 0.3786,  
0.5370


506.3157, 0.3600,  
0.4444

 62.5194, 0.3792,  
0.5553


 138.1343, 0.3750,  
0.5069

 45.4526, 0.3782,  
0.5760


 172.7586, 0.3728,  
0.4945


 31.8140, 0.3741,  
0.5992


 212.7333, 0.3705,  
0.4836

 21.2195, 0.3672,  
0.6282

 258.4427, 0.3682,  
0.4739

 13.2845, 0.3481,  
0.6519

 310.2713, 0.3660,  
0.4653

 7.6248, 0.3188,  
0.6812


 368.6033, 0.3638,


 3.8558, 0.2748,


0.4576


0.7252


433.8233, 0.3618,  
0.4507


 1.5932, 0.1580,  
0.8420


 0.3530, 0.0000,  
1.0000


 83.3991, 0.3786,  
0.5370


 83.3991, 0.3786,  
0.5370


 83.2650, 0.3782,  
0.5379


 84.2858, 0.3807,  
0.5297

 85.3121, 0.3804,  
0.5179


 86.4963, 0.3775,  
0.5013

 87.8556, 0.3720,  
0.4805

 89.4051, 0.3644,  
0.4564

 91.1575, 0.3551,  
0.4303

 93.1248, 0.3446,  
0.4033

 95.3175, 0.3335,  
0.3763

 97.7458, 0.3222,  
0.3501

# Harmonies

## Analogous

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



83.3991, 0.4703, 0.4760



83.3991, 0.3786, 0.5370



83.3991, 0.2767, 0.5225

# Triad

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



83.3991, 0.3786, 0.5370



83.3991, 0.1327, 0.2031



83.3991, 0.4350, 0.2570

# Complementary

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



83.3991, 0.3786, 0.5370



8.3238, 0.1625, 0.0674

# 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.



83.3991, 0.3161, 0.2038



83.3991, 0.3786, 0.5370



83.3991, 0.1572, 0.1720

# Square

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



83.3991, 0.3786, 0.5370



83.3991, 0.1416, 0.2805



83.3991, 0.2171, 0.1741



83.3991, 0.5192, 0.3240



# Rectangle

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



83.3991, 0.3786, 0.5370



83.3991, 0.2151, 0.4532



83.3991, 0.2171, 0.1741



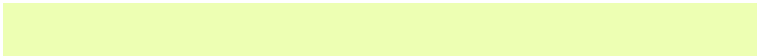
83.3991, 0.3960, 0.2372

# Sweetspot

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



83.3929, 0.3786, 0.5370



92.8142, 0.3462, 0.4074



24.3207, 0.6143, 0.3491



19.6858, 0.3507, 0.4188



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.



83.3929, 0.3786, 0.5370



83.2650, 0.3782, 0.5379



73.0244, 0.3123, 0.5895



20.8667, 0.3233, 0.3527



43.5785, 0.3789, 0.5374



4.2921, 0.3837, 0.5335



# Inverse Universe

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



8.3238, 0.1625, 0.0674



8.1477, 0.1612, 0.0662



17.4738, 0.2500, 0.1155



17.5802, 0.3015, 0.3047



4.3125, 0.1624, 0.0669

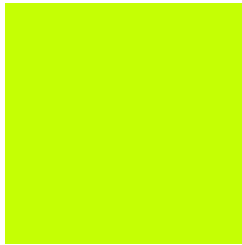


0.4667, 0.1730, 0.0727



# Previews

## White Background



This preview shows how the Yxy color 83.3991, 0.3786, 0.5370 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

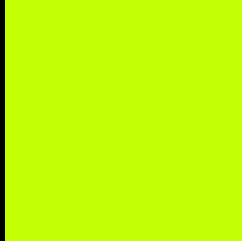
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.3991, 0.3786, 0.5370 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 83.3991, 0.3786, 0.5370**

## Background



This preview shows how black text looks on a background with the Yxy color 83.3991, 0.3786, 0.5370.



This preview shows how white text looks on a background with the Yxy color 83.3991, 0.3786, 0.5370.

# 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

83.3991, 0.3786, 0.5370

### Protanopia

82.6598, 0.3863, 0.4206

### Deuteranopia

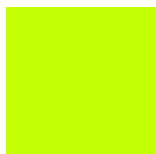
82.5820, 0.3501, 0.3603



## Tritanopia

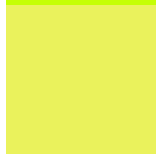
83.0040, 0.2912, 0.3104

# Trichromacy



## Original Color

83.3991, 0.3786, 0.5370



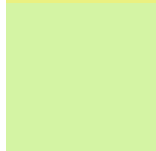
## Protanomaly

81.7694, 0.3937, 0.4762



## Deuteranomaly

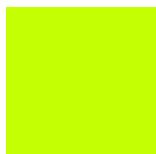
81.3976, 0.3767, 0.4441



## Tritanomaly

81.3788, 0.3396, 0.4175

# Monochromacy



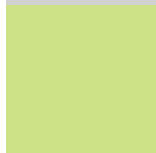
## Original Color

83.3991, 0.3786, 0.5370



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

69.0931, 0.3572, 0.4354

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.3991, 0.3786, 0.5370 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(197, 255, 4)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 4)  
}
```

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(197, 255, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 4) }
```

## Border

The CSS property to change the border of an element to Yxy 83.3991, 0.3786, 0.5370 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(197, 255, 4) }
```

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

```
.border{ border-color:rgb(197, 255, 4) }
```

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

Here you see how a box with a 4 pixel rgb(197, 255, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 4);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
4) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.3991, 0.3786, 0.5370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 4) }
```

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

```
.background{ background-color: rgb(197,  
255, 4) }
```

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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