

# Converting Colors

Yxy(80.9039, 0.3655, 0.5480)

Have a look what the booklet for  
Yxy(80.9039, 0.3655, 0.5480)  
contains.

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# Color

**Yxy(80.8671, 0.3653, 0.5482)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1FF00
RGB	177, 255, 0
RGB Percent	69%, 100%, 0%
CMY	0.3060, 0.0000, 1.0000
CMYK	0.31, 0.00, 1.00, 0.00
HSL	78°, 100%, 50%
HSV	78°, 100%, 100%
XYZ	53.8868, 80.8671, 12.7599
YIQ	202.6080, 35.3670, -95.8410

# Conversions

## Conversions Part 2

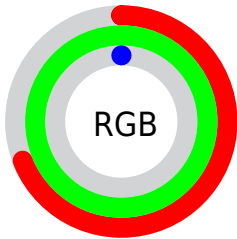
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	0, 255, 78
Decimal	11665152
CIELab	92.07, -52.00, 88.46
CIELCh	92, 102.613, 120.450
Yxy	80.8671, 0.3653, 0.5482
Android (android.graphics.Color)	4289855232 (0xFFB1FF00)
YUV	202.6080, -99.8857, -22.4582
Hunter-Lab	89.9261, -50.4074, 54.5354

# Details

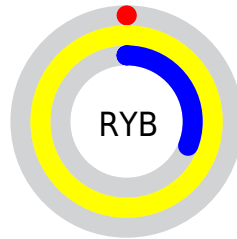
The Yxy color **80.8671, 0.3653, 0.5482** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **8.8406, 0.1692, 0.0706**, and the grayscale version is **60.0801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5053, 0.3890, 0.4820**, and **44.1701, 0.3495, 0.5607** is the 20% darker color. If you saturate the color by 10%, you get **80.8647, 0.3653, 0.5482**, and if you desaturate by 10%, it is **81.8795, 0.3688, 0.5402**.

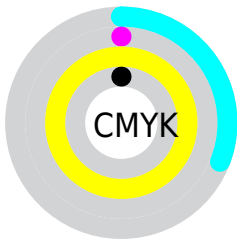
# Distribution



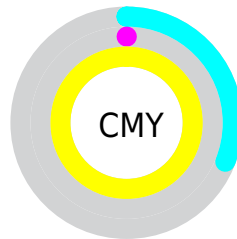
- Red (69%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (31%)



- Cyan (31%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8671, 0.3653, 0.5482 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 80.8671, 0.3653, 0.5482 by changing the saturation by 10% instead.





 80.8671, 0.3653,  
0.5482

 80.8671, 0.3653,  
0.5482


497.8502, 0.3530,  
0.4484


 60.4321, 0.3644,  
0.5685

 134.5841, 0.3639,  
0.5152

 43.7671, 0.3615,  
0.5917


 168.6350, 0.3626,  
0.5018


 30.4874, 0.3550,  
0.6179


 207.9933, 0.3610,  
0.4901

 20.2088, 0.3451,  
0.6519

 253.0435, 0.3593,  
0.4797

 12.5469, 0.3209,  
0.6791

 304.1699, 0.3577,  
0.4705

 7.1173, 0.2854,  
0.7146


 361.7568, 0.3560,


 3.5356, 0.2325,


0.4623


0.7675


426.1888, 0.3545,  
0.4550


 1.4173, 0.0006,  
0.9994


 0.2294, 0.0000,  
1.0000


 80.8671, 0.3653,  
0.5482


 80.8671, 0.3653,  
0.5482


 80.8647, 0.3653,  
0.5482

 81.8795, 0.3688,  
0.5402


 83.0419, 0.3701,  
0.5277

 84.3813, 0.3689,  
0.5102


 85.9165, 0.3651,  
0.4884

 87.6628, 0.3591,  
0.4634

 89.6340, 0.3513,  
0.4363

 91.8424, 0.3424,  
0.4084

 94.2994, 0.3327,  
0.3807

 97.0153, 0.3227,  
0.3541

# Harmonies

## Analogous

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



80.8671, 0.4625, 0.4892



80.8671, 0.3653, 0.5482



80.8671, 0.2611, 0.5201

# Triad

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



80.8671, 0.3653, 0.5482



80.8671, 0.1295, 0.1924



80.8671, 0.4543, 0.2630

# Complementary

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



80.8671, 0.3653, 0.5482



8.8406, 0.1692, 0.0706

# 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.



80.8671, 0.3318, 0.2063



80.8671, 0.3653, 0.5482



80.8671, 0.1588, 0.1662

# Square

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



80.8671, 0.3653, 0.5482



80.8671, 0.1335, 0.2643



80.8671, 0.2252, 0.1725



80.8671, 0.5321, 0.3323



# Rectangle

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



80.8671, 0.3653, 0.5482



80.8671, 0.2006, 0.4400



80.8671, 0.2252, 0.1725



80.8671, 0.4151, 0.2422

# Sweetspot

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



80.8647, 0.3653, 0.5482



91.8424, 0.3424, 0.4084



26.4981, 0.5995, 0.3622



19.4524, 0.3463, 0.4202



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.



80.8647, 0.3653, 0.5482



72.2238, 0.3060, 0.5953



20.7955, 0.3222, 0.3528



42.3357, 0.3662, 0.5475



4.1796, 0.3724, 0.5425

# Inverse Universe

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



8.8406, 0.1692, 0.0706



20.0574, 0.2698, 0.1260



17.6472, 0.3027, 0.3048



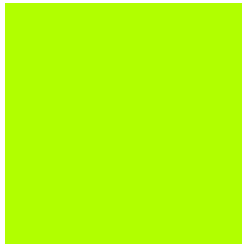
4.6877, 0.1707, 0.0714



0.5109, 0.1825, 0.0779

# Previews

## White Background



This preview shows how the Yxy color 80.8671, 0.3653, 0.5482 looks on a white background.

## Color Contrast Check

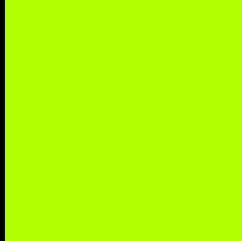
Large Text (above 18pt) WCAG AA × Fail

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 80.8671, 0.3653, 0.5482 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

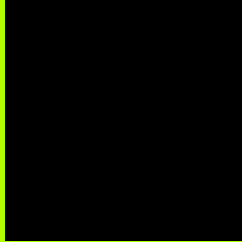
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.8671, 0.3653, 0.5482**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.8671, 0.3653, 0.5482.



This preview shows how white text looks on a background with the Yxy color 80.8671, 0.3653, 0.5482.



# 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

80.8671, 0.3653, 0.5482

### Protanopia

80.1655, 0.4049, 0.4442

### Deuteranopia

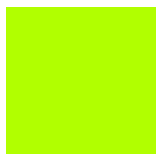
79.9159, 0.3579, 0.3667



## Tritanopia

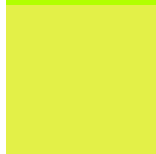
80.4849, 0.2809, 0.3099

# Trichromacy



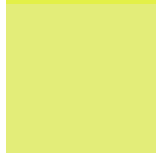
## Original Color

80.8671, 0.3653, 0.5482



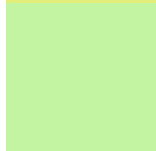
## Protanomaly

79.1189, 0.3972, 0.4909



## Deuteranomaly

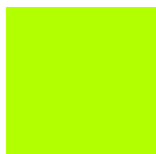
78.2797, 0.3771, 0.4513



## Tritanomaly

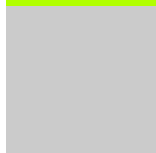
78.7793, 0.3285, 0.4234

# Monochromacy



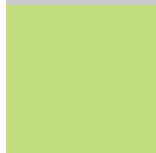
## Original Color

80.8671, 0.3653, 0.5482



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

65.2969, 0.3530, 0.4405

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.8671, 0.3653, 0.5482 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(177, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 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(177, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 80.8671, 0.3653, 0.5482 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(177, 255, 0) }
```

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

```
.border{ border-color:rgb(177, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
0) }
```

# Background

The CSS property to change the background color of an element to Yxy 80.8671, 0.3653, 0.5482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 0) }
```

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

```
.background{ background-color: rgb(177,  
255, 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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