

# Converting Colors

Yxy(57.3085, 0.3870, 0.5309)

Have a look what the booklet for  
Yxy(57.3085, 0.3870, 0.5309)  
contains.

<b>Yxy(57.2071, 0.3872, 0.5308)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(57.2071, 0.3872, 0.5308)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFD600
RGB	175, 214, 0
RGB Percent	69%, 84%, 0%
CMY	0.3136, 0.1608, 1.0000
CMYK	0.18, 0.00, 1.00, 0.16
HSL	71°, 100%, 42%
HSV	71°, 100%, 84%
XYZ	41.7306, 57.2071, 8.8376
YIQ	177.9430, 45.4500, -74.8220

# Conversions

## Conversions Part 2

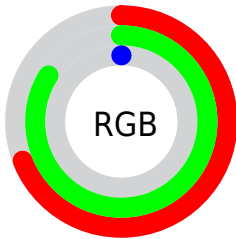
Format	Color
<b>RYB</b>	0, 214, 39
Decimal	11523584
CIELab	80.30, -35.05, 79.43
CIElCh	80, 86.821, 113.807
Yxy	57.2071, 0.3872, 0.5308
Android (android.graphics.Color)	4289713664 (0xFFAFD600)
YUV	177.9430, -87.7259, -2.5810
Hunter-Lab	75.6354, -33.8775, 46.0171

# Details

The Yxy color **57.2071, 0.3872, 0.5308** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **5.2856, 0.1578, 0.0643**, and the grayscale version is **44.9491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8541, 0.3898, 0.4885**, and **28.5782, 0.3738, 0.5414** is the 20% darker color. If you saturate the color by 10%, you get **57.2100, 0.3872, 0.5308**, and if you desaturate by 10%, it is **57.7232, 0.3884, 0.5243**.

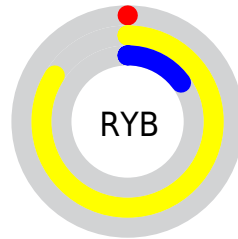
# Distribution



Red (69%)

Green (84%)

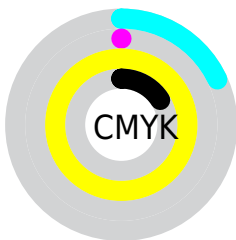
Blue (0%)



Red (0%)

Yellow (84%)

Blue (15%)

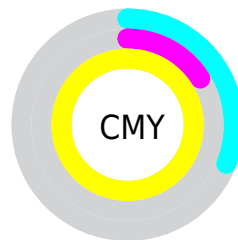


Cyan (18%)

Magenta (0%)

Yellow (100%)

Black (16%)



Cyan (31%)

Magenta (16%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.2071, 0.3872, 0.5308 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 57.2071, 0.3872, 0.5308 by changing the saturation by 10% instead.




 57.2071, 0.3872,  
0.5308


 57.2071, 0.3872,  
0.5308

414.2249, 0.3621,  
0.4356


 41.1715, 0.3888,  
0.5505


 100.7673, 0.3815,  
0.4989


 28.4531, 0.3883,  
0.5729


 129.0607, 0.3783,  
0.4860


 18.6675, 0.3846,  
0.5991


 162.2089, 0.3752,  
0.4748

 11.4303, 0.3731,  
0.6269

 200.5963, 0.3723,  
0.4650

 6.3570, 0.3475,  
0.6525

 244.6071, 0.3695,  
0.4563

 3.0634, 0.3075,  
0.6925

 294.6259, 0.3668,

 1.1649, 0.1636,

0.4486

0.8364

351.0370, 0.3644,  
0.4417

■ 0.0328, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.2071, 0.3872,  
0.5308

■ 57.2071, 0.3872,  
0.5308

■ 57.2100, 0.3872,  
0.5308

■ 57.7232, 0.3884,  
0.5243

■ 58.3112, 0.3874,  
0.5138

■ 58.9945, 0.3839,  
0.4988

■ 59.7847, 0.3778,  
0.4796

60.6914, 0.3696,  
0.4570

61.7231, 0.3596,  
0.4321

62.8874, 0.3484,  
0.4059

64.1913, 0.3366,  
0.3795

65.6412, 0.3246,  
0.3537

# Harmonies

## Analogous

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



57.2071, 0.4756, 0.4680



57.2071, 0.3872, 0.5308



57.2071, 0.2865, 0.5248

# Triad

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



57.2071, 0.3872, 0.5308



57.2071, 0.1341, 0.2096



57.2071, 0.4232, 0.2526

# Complementary

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



57.2071, 0.3872, 0.5308



5.2856, 0.1578, 0.0643

# 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.



57.2071, 0.3061, 0.2017



57.2071, 0.3872, 0.5308



57.2071, 0.1554, 0.1751

# Square

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



57.2071, 0.3872, 0.5308



57.2071, 0.1462, 0.2910



57.2071, 0.2115, 0.1745



57.2071, 0.5116, 0.3183



# Rectangle

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



57.2071, 0.3872, 0.5308



57.2071, 0.2242, 0.4622



57.2071, 0.2115, 0.1745



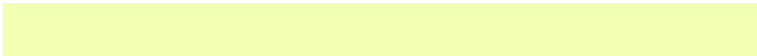
57.2071, 0.3842, 0.2334

# Sweetspot

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



57.2100, 0.3872, 0.5308



93.4677, 0.3487, 0.4067



15.5375, 0.6246, 0.3423



19.8434, 0.3536, 0.4179



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.



57.2100, 0.3872, 0.5308



85.0125, 0.3869, 0.5310



49.4445, 0.3165, 0.5869



14.4003, 0.3239, 0.3522



34.6222, 0.3877, 0.5304



2.1187, 0.3935, 0.5258



# Inverse Universe

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



5.2856, 0.1578, 0.0643



7.8109, 0.1572, 0.0640



10.6648, 0.2376, 0.1083



12.1164, 0.3009, 0.3051



3.2276, 0.1588, 0.0648



0.2279, 0.1744, 0.0734



# Previews

## White Background



This preview shows how the Yxy color 57.2071, 0.3872, 0.5308 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 57.2071, 0.3872, 0.5308 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

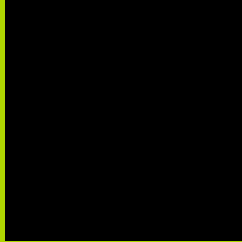
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.2071, 0.3872, 0.5308**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.2071, 0.3872, 0.5308.



This preview shows how white text looks on a background with the Yxy color 57.2071, 0.3872, 0.5308.

# 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

57.2071, 0.3872, 0.5308

### Protanopia

56.6941, 0.4407, 0.4883

### Deuteranopia

56.4304, 0.4663, 0.4556



## Tritanopia

57.0906, 0.2969, 0.3099

# Trichromacy



**Original Color**

57.2071, 0.3872, 0.5308

**Protanomaly**

56.3075, 0.4210, 0.5039

**Deuteranomaly**

55.6864, 0.4389, 0.4834

**Tritanomaly**

55.4310, 0.3467, 0.4146

# Monochromacy



**Original Color**

57.2071, 0.3872, 0.5308

**Achromatopsia**

44.5201, 0.3127, 0.3290

**Achromatomaly**

47.8010, 0.3603, 0.4334

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.2071, 0.3872, 0.5308 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(175, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 214, 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(175, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 214, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 57.2071, 0.3872, 0.5308 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(175, 214, 0) }
```

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

```
.border{ border-color:rgb(175, 214, 0) }
```

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

Here you see how a box with a 4 pixel rgb(175, 214, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 214,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.2071, 0.3872, 0.5308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 214, 0) }
```

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

```
.background{ background-color: rgb(175,  
214, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor