

# Converting Colors

Yxy(58.8558, 0.3859, 0.5318)

Have a look what the booklet for  
Yxy(58.8558, 0.3859, 0.5318)  
contains.

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# Color

**Yxy(58.8558, 0.3859, 0.5318)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0D900
RGB	176, 217, 0
RGB Percent	69%, 85%, 0%
CMY	0.3100, 0.1490, 1.0000
CMYK	0.19, 0.00, 1.00, 0.15
HSL	71°, 100%, 43%
HSV	71°, 100%, 85%
XYZ	42.7086, 58.8558, 9.1084
YIQ	180.0030, 45.2210, -76.1790

# Conversions

## Conversions Part 2

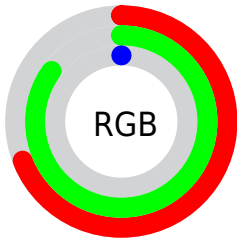
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 217, 41
Decimal	11589888
CIELab	81.21, -36.05, 80.14
CIELCh	81, 87.873, 114.221
Yxy	58.8558, 0.3859, 0.5318
Android (android.graphics.Color)	4289779968 (0xFFB0D900)
YUV	180.0030, -88.7415, -3.5106
Hunter-Lab	76.7175, -34.8848, 46.6630

# Details

The Yxy color **58.8558, 0.3859, 0.5318** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **5.4835, 0.1583, 0.0646**, and the grayscale version is **46.1079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0410, 0.3902, 0.4875**, and **29.6922, 0.3725, 0.5424** is the 20% darker color. If you saturate the color by 10%, you get **58.8585, 0.3859, 0.5318**, and if you desaturate by 10%, it is **59.4011, 0.3872, 0.5252**.

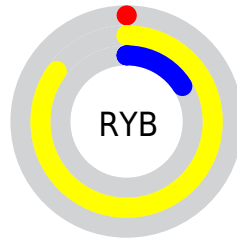
# Distribution



Red (69%)

Green (85%)

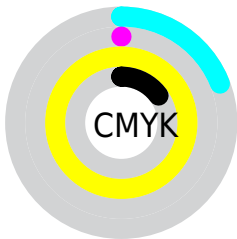
Blue (0%)



Red (0%)

Yellow (85%)

Blue (16%)

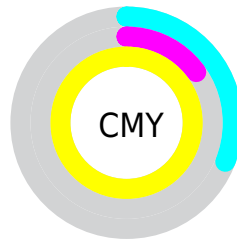


Cyan (19%)

Magenta (0%)

Yellow (100%)

Black (15%)



Cyan (31%)

Magenta (15%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.8558, 0.3859, 0.5318 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 58.8558, 0.3859, 0.5318 by changing the saturation by 10% instead.




 58.8558, 0.3859,  
0.5318


 58.8558, 0.3859,  
0.5318


420.3673, 0.3617,  
0.4364

 42.4970, 0.3874,  
0.5515


 103.1681, 0.3805,  
0.4999


 29.4907, 0.3867,  
0.5739


 131.8904, 0.3775,  
0.4870


 19.4523, 0.3826,  
0.5998


 165.5026, 0.3744,  
0.4758

 11.9976, 0.3717,  
0.6283

 204.3892, 0.3716,  
0.4659

 6.7420, 0.3462,  
0.6538

 248.9346, 0.3688,  
0.4572

 3.3013, 0.3069,  
0.6931

 299.5232, 0.3663,

 1.2910, 0.1884,

0.4495

0.8116

356.5393, 0.3639,  
0.4426

■ 0.1342, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.8558, 0.3859,  
0.5318

■ 58.8558, 0.3859,  
0.5318

■ 58.8585, 0.3859,  
0.5318

■ 59.4011, 0.3872,  
0.5252

■ 60.0221, 0.3864,  
0.5147

■ 60.7428, 0.3830,  
0.4995

■ 61.5749, 0.3771,  
0.4801

■ 62.5285, 0.3690,  
0.4574

■ 63.6124, 0.3591,  
0.4323

■ 64.8345, 0.3481,  
0.4061

■ 66.2019, 0.3364,  
0.3796

■ 67.7215, 0.3245,  
0.3537

# Harmonies

## Analogous

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



58.8558, 0.4748, 0.4692



58.8558, 0.3859, 0.5318



58.8558, 0.2849, 0.5246

# Triad

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



58.8558, 0.3859, 0.5318



58.8558, 0.1339, 0.2086



58.8558, 0.4250, 0.2532

# Complementary

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



58.8558, 0.3859, 0.5318



5.4835, 0.1583, 0.0646

# 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.



58.8558, 0.3076, 0.2020



58.8558, 0.3859, 0.5318



58.8558, 0.1557, 0.1746

# Square

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



58.8558, 0.3859, 0.5318



58.8558, 0.1455, 0.2893



58.8558, 0.2123, 0.1744



58.8558, 0.5128, 0.3192



# Rectangle

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



58.8558, 0.3859, 0.5318



58.8558, 0.2228, 0.4609



58.8558, 0.2123, 0.1744



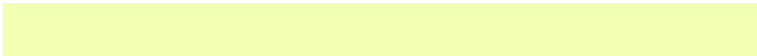
58.8558, 0.3860, 0.2340

# Sweetspot

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



58.8585, 0.3859, 0.5318



93.3714, 0.3484, 0.4068



16.2575, 0.6220, 0.3443



19.8201, 0.3532, 0.4181



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.



58.8585, 0.3859, 0.5318



84.7485, 0.3856, 0.5320



50.8895, 0.3149, 0.5881



15.1329, 0.3238, 0.3523



35.6672, 0.3864, 0.5314



2.3435, 0.3921, 0.5269



# Inverse Universe

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



5.4835, 0.1583, 0.0646



7.8546, 0.1577, 0.0643



11.3341, 0.2415, 0.1104



12.7352, 0.3010, 0.3050



3.3529, 0.1593, 0.0651



0.2525, 0.1742, 0.0733



# Previews

## White Background



This preview shows how the Yxy color 58.8558, 0.3859, 0.5318 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 58.8558, 0.3859, 0.5318 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

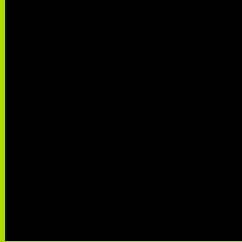
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.8558, 0.3859, 0.5318**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.8558, 0.3859, 0.5318.



This preview shows how white text looks on a background with the Yxy color 58.8558, 0.3859, 0.5318.

# 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

58.8558, 0.3859, 0.5318

### Protanopia

58.5720, 0.4404, 0.4885

### Deuteranopia

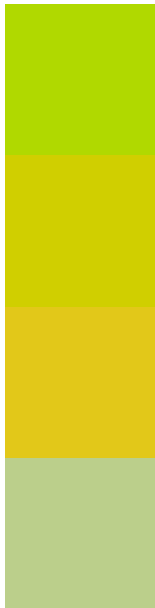
58.4789, 0.4663, 0.4554



## Tritanopia

58.7723, 0.2956, 0.3101

# Trichromacy



## Original Color

58.8558, 0.3859, 0.5318

## Protanomaly

58.0355, 0.4202, 0.5046

## Deuteranomaly

57.5475, 0.4385, 0.4835

## Tritanomaly

57.0545, 0.3453, 0.4151

# Monochromacy



## Original Color

58.8558, 0.3859, 0.5318

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

48.9614, 0.3599, 0.4324

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.8558, 0.3859, 0.5318 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(176, 217, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 217, 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(176, 217, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 217, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 58.8558, 0.3859, 0.5318 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(176, 217, 0) }
```

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

```
.border{ border-color:rgb(176, 217, 0) }
```

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

Here you see how a box with a 4 pixel rgb(176, 217, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 217, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 217, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 217,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.8558, 0.3859, 0.5318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 217, 0) }
```

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

```
.background{ background-color: rgb(176,  
217, 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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