

# Converting Colors

$Yxy(63.8047, 0.3692, 0.5378)$

Have a look what the booklet for  
Yxy(63.8047, 0.3692, 0.5378)  
contains.

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**Color**

**Yxy(63.6729, 0.3689, 0.5379)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6E41B
RGB	166, 228, 27
RGB Percent	65%, 89%, 11%
CMY	0.3490, 0.1059, 0.8936
CMYK	0.27, 0.00, 0.88, 0.11
HSL	79°, 79%, 50%
HSV	79°, 88%, 89%
XYZ	43.6678, 63.6729, 11.0324
YIQ	186.5480, 27.5690, -75.6550

# Conversions

## Conversions Part 2

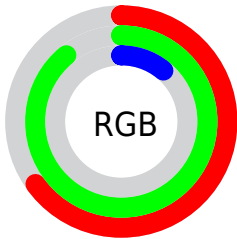
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	27, 228, 89
Decimal	10937371
CIE Lab	83.80, -44.34, 78.82
CIE LCh	84, 90.436, 119.358
Yxy	63.6729, 0.3689, 0.5379
Android (android.graphics.Color)	4289127451 (0xFFA6E41B)
YUV	186.5480, -78.6572, -18.0206
Hunter-Lab	79.7953, -41.9580, 47.6594

# Details

The Yxy color **63.6729, 0.3689, 0.5379** 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 **8.5220, 0.1833, 0.0843**, and the grayscale version is **49.8750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5518, 0.3795, 0.4850**, and **32.6932, 0.3558, 0.5557** is the 20% darker color. If you saturate the color by 10%, you get **62.8655, 0.3658, 0.5468**, and if you desaturate by 10%, it is **64.6073, 0.3697, 0.5242**.

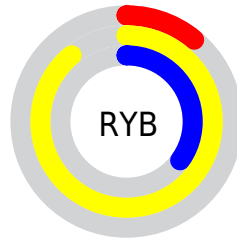
# Distribution



Red (65%)

Green (89%)

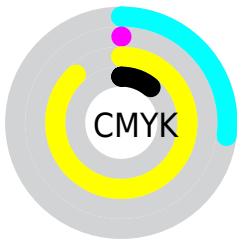
Blue (11%)



Red (11%)

Yellow (89%)

Blue (35%)

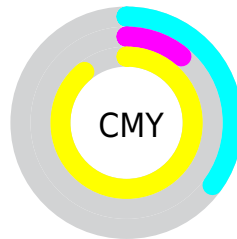


Cyan (27%)

Magenta (0%)

Yellow (88%)

Black (11%)



Cyan (35%)

Magenta (11%)


Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6729, 0.3689, 0.5379 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 63.6729, 0.3689, 0.5379 by changing the saturation by 10% instead.




 63.6729, 0.3689,  
0.5379


 63.6729, 0.3689,  
0.5379


438.0075, 0.3526,  
0.4385


 46.3858, 0.3689,  
0.5591


 110.1397, 0.3660,  
0.5042

 32.5504, 0.3667,  
0.5838


 140.0882, 0.3641,  
0.4907


 21.7822, 0.3606,  
0.6121


 175.0260, 0.3620,  
0.4790

 13.6970, 0.3504,  
0.6496

 215.3374, 0.3600,  
0.4688

 7.9102, 0.3219,  
0.6781

 261.4069, 0.3580,  
0.4598

 4.0375, 0.2793,  
0.7207

 313.6188, 0.3561,

 1.6946, 0.1789,

0.4519

0.8211

372.3575, 0.3543,  
0.4448

■ 0.4201, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.6729, 0.3689,  
0.5379

■ 63.6729, 0.3689,  
0.5379

■ 62.8655, 0.3658,  
0.5468


■ 64.6073, 0.3697,  
0.5242


■ 62.7203, 0.3651,  
0.5483


■ 65.6789, 0.3679,  
0.5057

■ 66.9041, 0.3636,  
0.4832


■ 68.2943, 0.3573,  
0.4576

 69.8598, 0.3493,  
0.4304

 71.6098, 0.3403,  
0.4026

 73.5528, 0.3306,  
0.3753

 75.6965, 0.3207,  
0.3491

 78.0485, 0.3109,  
0.3245

# Harmonies

## Analogous

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



63.6729, 0.4616, 0.4823



63.6729, 0.3689, 0.5379



63.6729, 0.2679, 0.5129

# Triad

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



63.6729, 0.3689, 0.5379



63.6729, 0.1350, 0.1996



63.6729, 0.4442, 0.2636

# Complementary

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



63.6729, 0.3689, 0.5379



8.5220, 0.1833, 0.0843

# 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.



63.6729, 0.3271, 0.2090



63.6729, 0.3689, 0.5379



63.6729, 0.1624, 0.1721

# Square

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



63.6729, 0.3689, 0.5379



63.6729, 0.1406, 0.2714



63.6729, 0.2257, 0.1770



63.6729, 0.5214, 0.3311



# Rectangle

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



63.6729, 0.3689, 0.5379



63.6729, 0.2085, 0.4393



63.6729, 0.2257, 0.1770



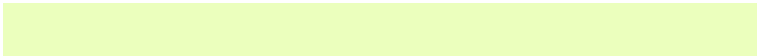
63.6729, 0.4065, 0.2435

# Sweetspot

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



63.6757, 0.3689, 0.5379



92.7641, 0.3384, 0.3973



23.4543, 0.5676, 0.3736



19.6776, 0.3417, 0.4069



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.



63.6757, 0.3689, 0.5379



80.7835, 0.3648, 0.5485



56.7731, 0.3107, 0.5825



16.5823, 0.3220, 0.3526



36.2807, 0.3660, 0.5476



2.7295, 0.3740, 0.5413



# Inverse Universe

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



8.5220, 0.1833, 0.0843



8.8700, 0.1696, 0.0708



17.0611, 0.2763, 0.1343



14.1018, 0.3028, 0.3050



4.0495, 0.1715, 0.0718

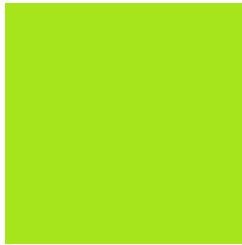


0.3469, 0.1872, 0.0805



# Previews

## White Background



This preview shows how the Yxy color 63.6729, 0.3689, 0.5379 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 63.6729, 0.3689, 0.5379 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

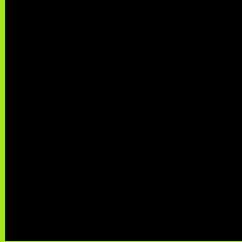
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.6729, 0.3689, 0.5379**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.6729, 0.3689, 0.5379.



This preview shows how white text looks on a background with the Yxy color 63.6729, 0.3689, 0.5379.

# 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

63.6729, 0.3689, 0.5379

### Protanopia

63.3136, 0.4387, 0.4856

### Deuteranopia

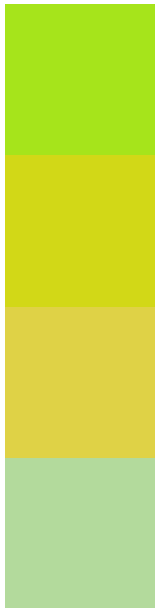
62.9331, 0.4357, 0.4302



## Tritanopia

63.3089, 0.2841, 0.3092

# Trichromacy



## Original Color

63.6729, 0.3689, 0.5379

## Protanomaly

62.8752, 0.4123, 0.5054

## Deuteranomaly

62.2234, 0.4143, 0.4723

## Tritanomaly

62.1268, 0.3254, 0.4071

# Monochromacy



## Original Color

63.6729, 0.3689, 0.5379

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

53.4097, 0.3470, 0.4244

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.6729, 0.3689, 0.5379 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(166, 228, 27)` looks like.

```
.text, #text, p{  
    color:rgb(166, 228, 27)  
}
```

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(166, 228, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 228, 27) }
```

## Border

The CSS property to change the border of an element to Yxy 63.6729, 0.3689, 0.5379 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(166, 228, 27) }
```

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

```
.border{ border-color:rgb(166, 228, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 228, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 228, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 228, 27);  
box-shadow:4px 4px 4px 4px rgb(166, 228,  
27) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.6729, 0.3689, 0.5379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 228, 27) }
```

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

```
.background{ background-color: rgb(166,  
228, 27) }
```

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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