

# Converting Colors

$Yxy(67.9343, 0.3720, 0.5428)$

Have a look what the booklet for  
Yxy(67.9343, 0.3720, 0.5428)  
contains.

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**Color**

**Yxy(68.1873, 0.3720, 0.5429)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACEB00
RGB	172, 235, 0
RGB Percent	67%, 92%, 0%
CMY	0.3254, 0.0784, 1.0000
CMYK	0.27, 0.00, 1.00, 0.08
HSL	76°, 100%, 46%
HSV	76°, 100%, 92%
XYZ	46.7226, 68.1873, 10.6884
YIQ	189.3730, 37.8870, -86.4410

# Conversions

## Conversions Part 2

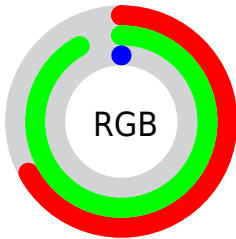
Format	Color
<a href="#">RYB</a>	<a href="#">0, 235, 63</a>
Decimal	<a href="#">11332352</a>
CIELab	<a href="#">86.10, -45.48, 83.77</a>
CIELCh	<a href="#">86, 95.323, 118.496</a>
Yxy	<a href="#">68.1873, 0.3720, 0.5429</a>
Android (android.graphics.Color)	<a href="#">4289522432 (0xFFACEB00)</a>
YUV	<a href="#">189.3730, -93.3609, -15.2361</a>
Hunter-Lab	<a href="#">82.5756, -43.5092, 50.1285</a>

# Details

The Yxy color **68.1873, 0.3720, 0.5429** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed chartreuse. A complement of this color would be **7.0547, 0.1652, 0.0684**, and the grayscale version is **51.6474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4140, 0.3863, 0.4873**, and **35.7509, 0.3562, 0.5554** is the 20% darker color. If you saturate the color by 10%, you get **68.1911, 0.3720, 0.5429**, and if you desaturate by 10%, it is **68.9847, 0.3747, 0.5352**.

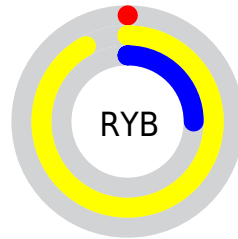
# Distribution



Red (67%)

Green (92%)

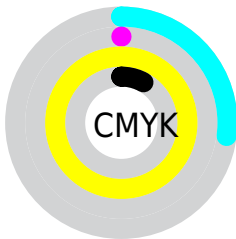
Blue (0%)



Red (0%)

Yellow (92%)

Blue (25%)

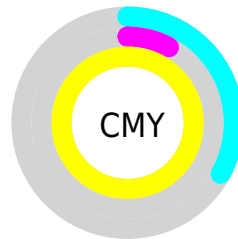


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (8%)



Cyan (33%)

Magenta (8%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1873, 0.3720, 0.5429 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 68.1873, 0.3720, 0.5429 by changing the saturation by 10% instead.





 68.1873, 0.3720,  
0.5429

 68.1873, 0.3720,  
0.5429


454.1593, 0.3556,  
0.4432


 50.0501, 0.3718,  
0.5635

 116.6200, 0.3693,  
0.5096


 35.4532, 0.3694,  
0.5871


 147.6844, 0.3674,  
0.4961


 24.0122, 0.3630,  
0.6139


 183.8266, 0.3653,  
0.4844

 15.3427, 0.3522,  
0.6478


 225.4311, 0.3632,  
0.4741

 9.0602, 0.3253,  
0.6747

 272.8822, 0.3612,  
0.4650

 4.7805, 0.2857,  
0.7143

 326.5644, 0.3592,

 2.1191, 0.2160,

0.4569

0.7840

386.8619, 0.3573,  
0.4497

■ 0.6753, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 68.1873, 0.3720,  
0.5429

■ 68.1873, 0.3720,  
0.5429


■ 68.1911, 0.3720,  
0.5429


■ 68.9847, 0.3747,  
0.5352

■ 69.8901, 0.3754,  
0.5233


■ 70.9322, 0.3734,  
0.5065


■ 72.1256, 0.3689,  
0.4855

 73.4830, 0.3623,  
0.4612

 75.0153, 0.3538,  
0.4348

 76.7325, 0.3442,  
0.4075

 78.6434, 0.3338,  
0.3803

 80.7566, 0.3232,  
0.3539

# Harmonies

## Analogous

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



68.1873, 0.4666, 0.4827



68.1873, 0.3720, 0.5429



68.1873, 0.2688, 0.5218

# Triad

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



68.1873, 0.3720, 0.5429



68.1873, 0.1309, 0.1975



68.1873, 0.4448, 0.2599

# Complementary

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



68.1873, 0.3720, 0.5429



7.0547, 0.1652, 0.0684

# 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.



68.1873, 0.3239, 0.2049



68.1873, 0.3720, 0.5429



68.1873, 0.1578, 0.1689

# Square

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



68.1873, 0.3720, 0.5429



68.1873, 0.1373, 0.2722



68.1873, 0.2210, 0.1731



68.1873, 0.5261, 0.3282



# Rectangle

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



68.1873, 0.3720, 0.5429



68.1873, 0.2077, 0.4469



68.1873, 0.2210, 0.1731



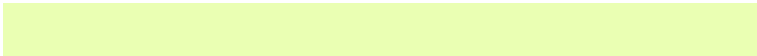
68.1873, 0.4056, 0.2396

# Sweetspot

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



68.1911, 0.3720, 0.5429



92.3309, 0.3443, 0.4079



21.1811, 0.6065, 0.3566



19.5696, 0.3485, 0.4195



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.



68.1911, 0.3720, 0.5429



82.0410, 0.3718, 0.5430



60.2262, 0.3082, 0.5935



17.4122, 0.3227, 0.3526



38.0159, 0.3727, 0.5422



3.0318, 0.3794, 0.5369



# Inverse Universe

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



7.0547, 0.1652, 0.0684



8.4615, 0.1649, 0.0682



15.7220, 0.2616, 0.1215



14.7442, 0.3022, 0.3049



3.9795, 0.1666, 0.0691



0.3583, 0.1807, 0.0769



# Previews

## White Background



This preview shows how the Yxy color 68.1873, 0.3720, 0.5429 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

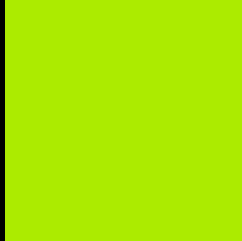
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.1873, 0.3720, 0.5429 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

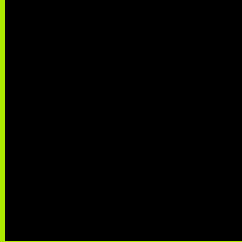
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.1873, 0.3720, 0.5429**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.1873, 0.3720, 0.5429.



This preview shows how white text looks on a background with the Yxy color 68.1873, 0.3720, 0.5429.

# 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

68.1873, 0.3720, 0.5429

### Protanopia

67.4781, 0.4408, 0.4882

### Deuteranopia

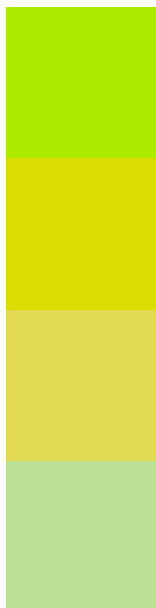
67.4442, 0.4093, 0.4093



## Tritanopia

67.6683, 0.2849, 0.3086

# Trichromacy



## Original Color

68.1873, 0.3720, 0.5429

## Protanomaly

66.9943, 0.4154, 0.5084

## Deuteranomaly

66.2273, 0.4064, 0.4693

## Tritanomaly

65.9524, 0.3334, 0.4196

# Monochromacy



## Original Color

68.1873, 0.3720, 0.5429

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

55.5660, 0.3551, 0.4386

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.1873, 0.3720, 0.5429 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(172, 235, 0)` looks like.

```
.text, #text, p{  
    color:rgb(172, 235, 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(172, 235, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 235, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 68.1873, 0.3720, 0.5429 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(172, 235, 0) }
```

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

```
.border{ border-color:rgb(172, 235, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 235, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 235, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 235, 0);  
box-shadow:4px 4px 4px 4px rgb(172, 235,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.1873, 0.3720, 0.5429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 235, 0) }
```

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

```
.background{ background-color: rgb(172,  
235, 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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