

# Converting Colors

$Yxy(69.4709, 0.3690, 0.5435)$

Have a look what the booklet for  
Yxy(69.4709, 0.3690, 0.5435)  
contains.

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**Color**

**Yxy(69.2460, 0.3696, 0.5430)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABED09
RGB	171, 237, 9
RGB Percent	67%, 93%, 4%
CMY	0.3293, 0.0706, 0.9638
CMYK	0.28, 0.00, 0.96, 0.07
HSL	77°, 93%, 48%
HSV	77°, 96%, 93%
XYZ	47.1332, 69.2460, 11.1457
YIQ	191.2740, 33.8520, -84.9000

# Conversions

## Conversions Part 2

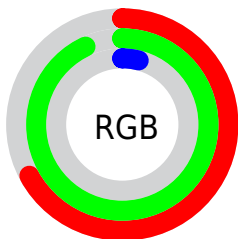
Format	Color
R <sub>Y</sub> B	9, 237, 75
Decimal	11267337
CIE Lab	86.63, -46.59, 83.38
CIE LCh	87, 95.517, 119.195
Yxy	69.2460, 0.3696, 0.5430
Android (android.graphics.Color)	4289457417 (0xFFABED09)
YUV	191.2740, -89.8611, -17.7803
Hunter-Lab	83.2142, -44.5210, 50.3086

# Details

The Yxy color **69.2460, 0.3696, 0.5430** 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 **7.8187, 0.1714, 0.0732**, and the grayscale version is **52.8052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2992, 0.3845, 0.4857**, and **36.4925, 0.3542, 0.5570** is the 20% darker color. If you saturate the color by 10%, you get **68.9316, 0.3683, 0.5458**, and if you desaturate by 10%, it is **70.1295, 0.3720, 0.5336**.

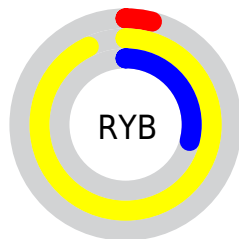
# Distribution



Red (67%)

Green (93%)

Blue (4%)



Red (4%)

Yellow (93%)

Blue (29%)

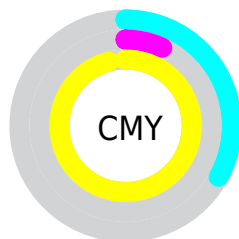


Cyan (28%)

Magenta (0%)

Yellow (96%)

Black (7%)



Cyan (33%)

Magenta (7%)


Yellow (96%)


# Brightness & Saturation Gradients


These gradients show how the Yxy color 69.2460, 0.3696, 0.5430 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 69.2460, 0.3696, 0.5430 by changing the saturation by 10% instead.





 69.2460, 0.3696,  
0.5430

 69.2460, 0.3696,  
0.5430


 457.8981, 0.3542,  
0.4431


 50.9121, 0.3693,  
0.5637

 118.1329, 0.3672,  
0.5096


 36.1386, 0.3667,  
0.5876


 149.4546, 0.3654,  
0.4961


 24.5413, 0.3603,  
0.6147


 185.8744, 0.3634,  
0.4843

 15.7356, 0.3500,  
0.6500

 227.7767, 0.3614,  
0.4740

 9.3373, 0.3229,  
0.6771

 275.5458, 0.3595,  
0.4649

 4.9618, 0.2833,  
0.7167


 329.5661, 0.3576,

 2.2249, 0.2157,


0.4568


0.7843


390.2221, 0.3559,  
0.4496


 0.7335, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 69.2460, 0.3696,  
0.5430


 69.2460, 0.3696,  
0.5430

 68.9316, 0.3683,  
0.5458

 70.1295, 0.3720,  
0.5336

 71.1436, 0.3721,  
0.5194

 72.3090, 0.3695,  
0.5004

 73.6398, 0.3645,  
0.4776

■ 75.1482, 0.3574,  
0.4519

■ 76.8452, 0.3489,  
0.4247

■ 78.7405, 0.3393,  
0.3971

■ 80.8431, 0.3291,  
0.3700

■ 83.1616, 0.3189,  
0.3441

# Harmonies

## Analogous

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



69.2460, 0.4644, 0.4842



69.2460, 0.3696, 0.5430



69.2460, 0.2667, 0.5192

# Triad

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



69.2460, 0.3696, 0.5430



69.2460, 0.1316, 0.1967



69.2460, 0.4470, 0.2616

# Complementary

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



69.2460, 0.3696, 0.5430



7.8187, 0.1714, 0.0732

# 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.



69.2460, 0.3266, 0.2063



69.2460, 0.3696, 0.5430



69.2460, 0.1592, 0.1690

# Square

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



69.2460, 0.3696, 0.5430



69.2460, 0.1372, 0.2700



69.2460, 0.2232, 0.1739



69.2460, 0.5264, 0.3299



# Rectangle

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



69.2460, 0.3696, 0.5430



69.2460, 0.2061, 0.4434



69.2460, 0.2232, 0.1739



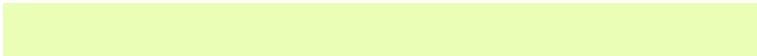
69.2460, 0.4082, 0.2412

# Sweetspot

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



69.2491, 0.3696, 0.5430



92.2797, 0.3422, 0.4054



22.8907, 0.5937, 0.3633



19.5469, 0.3463, 0.4172



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.



69.2491, 0.3696, 0.5430



81.3606, 0.3681, 0.5460



61.5052, 0.3086, 0.5910



17.3952, 0.3223, 0.3526



37.7047, 0.3691, 0.5451



3.0095, 0.3763, 0.5394



# Inverse Universe

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



7.8187, 0.1714, 0.0732



8.6703, 0.1673, 0.0695



16.9616, 0.2680, 0.1261



14.7602, 0.3025, 0.3050



4.0801, 0.1691, 0.0705

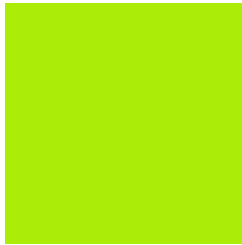


0.3680, 0.1836, 0.0785



# Previews

## White Background



This preview shows how the Yxy color 69.2460, 0.3696, 0.5430 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

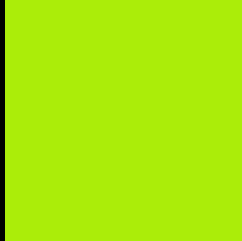
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.2460, 0.3696, 0.5430 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 69.2460, 0.3696, 0.5430**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.2460, 0.3696, 0.5430.



This preview shows how white text looks on a background with the Yxy color 69.2460, 0.3696, 0.5430.

# 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

69.2460, 0.3696, 0.5430

### Protanopia

68.3448, 0.4414, 0.4877

### Deuteranopia

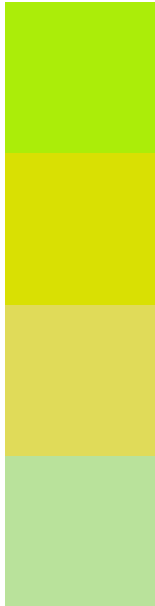
68.6102, 0.4034, 0.4046



## Tritanopia

68.6969, 0.2832, 0.3087

# Trichromacy



## Original Color

69.2460, 0.3696, 0.5430

## Protanomaly

68.0696, 0.4136, 0.5092

## Deuteranomaly

67.2316, 0.4006, 0.4653

## Tritanomaly

67.0736, 0.3292, 0.4157

# Monochromacy



## Original Color

69.2460, 0.3696, 0.5430

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

56.7828, 0.3520, 0.4343

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.2460, 0.3696, 0.5430 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(171, 237, 9)` looks like.

```
.text, #text, p{  
    color:rgb(171, 237, 9)  
}
```

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(171, 237, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 237, 9) }
```

## Border

The CSS property to change the border of an element to Yxy 69.2460, 0.3696, 0.5430 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(171, 237, 9) }
```

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

```
.border{ border-color:rgb(171, 237, 9) }
```

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

Here you see how a box with a 4 pixel rgb(171, 237, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 237, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 237, 9);  
box-shadow:4px 4px 4px 4px rgb(171, 237,  
9) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.2460, 0.3696, 0.5430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 237, 9) }
```

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

```
.background{ background-color: rgb(171,  
237, 9) }
```

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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