

# Converting Colors

Yxy(69.1505, 0.3666, 0.4638)

Have a look what the booklet for  
Yxy(69.1505, 0.3666, 0.4638)  
contains.

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**Color**

**Yxy(69.0301, 0.3671, 0.4637)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9E46E
RGB	201, 228, 110
RGB Percent	79%, 89%, 43%
CMY	0.2117, 0.1059, 0.5687
CMYK	0.12, 0.00, 0.52, 0.11
HSL	74°, 69%, 66%
HSV	74°, 52%, 89%
XYZ	54.6494, 69.0301, 25.1885
YIQ	206.4750, 21.7860, -42.4220

# Conversions

## Conversions Part 2

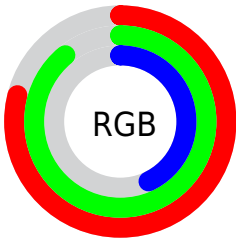
<b>Format</b>	<b>Color</b>
<b>RYB</b>	110, 228, 137
Decimal	13231214
CIELab	86.52, -26.12, 53.98
CIELCh	87, 59.970, 115.823
Yxy	69.0301, 0.3671, 0.4637
Android (android.graphics.Color)	4291421294 (0xFFC9E46E)
YUV	206.4750, -47.5622, -4.8016
Hunter-Lab	83.0844, -27.9877, 40.1843

# Details

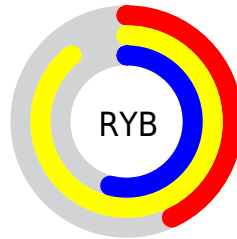
The Yxy color **69.0301, 0.3671, 0.4637** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.0629, 0.2334, 0.1723**, and the grayscale version is **62.3455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4603, 0.3666, 0.4181**, and **36.2023, 0.3749, 0.4961** is the 20% darker color. If you saturate the color by 10%, you get **67.8888, 0.3741, 0.4867**, and if you desaturate by 10%, it is **70.3298, 0.3582, 0.4383**.

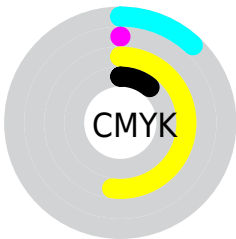
# Distribution



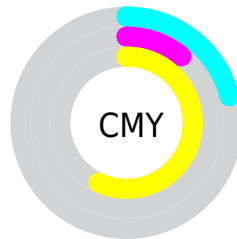
- Red (79%)
- Green (89%)
- Blue (43%)



- Red (43%)
- Yellow (89%)
- Blue (54%)



- Cyan (12%)
- Magenta (0%)
- Yellow (52%)
- Black (11%)




- Cyan (21%)
- Magenta (11%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0301, 0.3671, 0.4637 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 69.0301, 0.3671, 0.4637 by changing the saturation by 10% instead.



 69.0301, 0.3671,  
0.4637


 69.0301, 0.3671,  
0.4637


457.1371, 0.3450,  
0.3996

 50.7362, 0.3710,  
0.4782


 117.8246, 0.3603,  
0.4414


 35.9987, 0.3750,  
0.4960


 149.0939, 0.3574,  
0.4327

 24.4332, 0.3788,  
0.5178


 185.4573, 0.3548,  
0.4252

 15.6553, 0.3814,  
0.5448


 227.2990, 0.3524,  
0.4187

 9.2806, 0.3813,  
0.5795

275.0034, 0.3503,  
0.4130

 4.9246, 0.3747,  
0.6253

328.9550, 0.3484,

 2.2031, 0.3386,

0.4080

0.6614

389.5381, 0.3466,  
0.4035

0.7217, 0.0627,  
0.9373

0.0000, 0.0000,  
0.0000

69.0301, 0.3671,  
0.4637

69.0301, 0.3671,  
0.4637

67.8888, 0.3741,  
0.4867

70.3298, 0.3582,  
0.4383

66.8864, 0.3789,  
0.5062


71.7879, 0.3480,  
0.4116


66.0142, 0.3811,  
0.5214


73.4158, 0.3371,  
0.3847

65.2582, 0.3807,  
0.5318


75.2212, 0.3258,  
0.3584

 64.7041, 0.3789,  
0.5374

 77.2114, 0.3147,  
0.3333

 79.3931, 0.3038,  
0.3098

 80.7979, 0.3022,  
0.3019

 81.7105, 0.3057,  
0.3022

 82.6494, 0.3092,  
0.3025

# Harmonies

## Analogous

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



69.0301, 0.4267, 0.4359



69.0301, 0.3671, 0.4637



69.0301, 0.2965, 0.4460

# Triad

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



69.0301, 0.3671, 0.4637



69.0301, 0.1856, 0.2477



69.0301, 0.3905, 0.2807

# Complementary

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



69.0301, 0.3671, 0.4637



22.0629, 0.2334, 0.1723

# 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.



69.0301, 0.3155, 0.2412



69.0301, 0.3671, 0.4637



69.0301, 0.2035, 0.2206

# Square

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



69.0301, 0.3671, 0.4637



69.0301, 0.1955, 0.3040



69.0301, 0.2481, 0.2197



69.0301, 0.4452, 0.3315



# Rectangle

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



69.0301, 0.3671, 0.4637



69.0301, 0.2529, 0.4062



69.0301, 0.2481, 0.2197



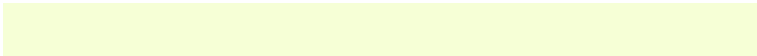
69.0301, 0.3662, 0.2659

# Sweetspot

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



69.0332, 0.3671, 0.4637



95.9194, 0.3307, 0.3697



35.1010, 0.4449, 0.3586



20.4279, 0.3331, 0.3751



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.



69.0332, 0.3671, 0.4637



87.4206, 0.3745, 0.4880



62.4890, 0.3251, 0.4843



16.6424, 0.3232, 0.3525



37.4182, 0.3795, 0.5369



2.8057, 0.3856, 0.5320



# Inverse Universe

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



22.0629, 0.2334, 0.1723



20.7402, 0.2138, 0.1386



28.2922, 0.2857, 0.1926



14.0453, 0.3016, 0.3049



3.7017, 0.1626, 0.0669



0.3147, 0.1767, 0.0747



# Previews

## White Background



This preview shows how the Yxy color 69.0301, 0.3671, 0.4637 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

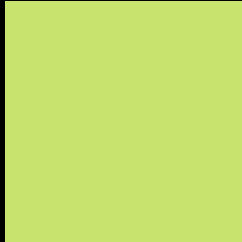
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.0301, 0.3671, 0.4637 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

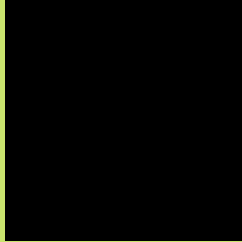
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.0301, 0.3671, 0.4637**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.0301, 0.3671, 0.4637.



This preview shows how white text looks on a background with the Yxy color 69.0301, 0.3671, 0.4637.

# 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

69.0301, 0.3671, 0.4637

### Protanopia

68.5031, 0.4054, 0.4425

### Deuteranopia

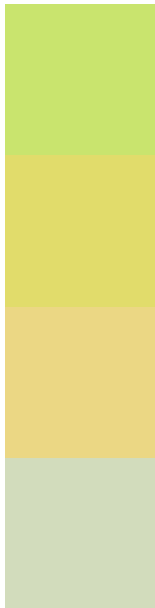
68.4161, 0.3967, 0.3939



## Tritanopia

68.8741, 0.3015, 0.3104

# Trichromacy



**Original Color**

69.0301, 0.3671, 0.4637

**Protanomaly**

68.2555, 0.3914, 0.4505

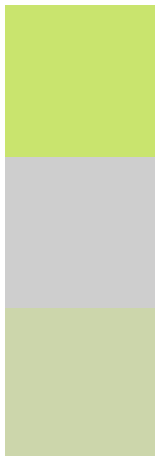
**Deuteranomaly**

67.9290, 0.3865, 0.4186

**Tritanomaly**

68.5189, 0.3269, 0.3657

# Monochromacy



**Original Color**

69.0301, 0.3671, 0.4637

**Achromatopsia**

61.7207, 0.3127, 0.3290

**Achromatomaly**

63.8708, 0.3350, 0.3800

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.0301, 0.3671, 0.4637 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(201, 228, 110)` looks like.

```
.text, #text, p{  
    color:rgb(201, 228, 110)  
}
```

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(201, 228, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 228, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 69.0301, 0.3671, 0.4637 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(201, 228, 110) }
```

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

```
.border{ border-color:rgb(201, 228, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 228, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 228, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 228, 110); box-shadow:4px 4px 4px 4px rgb(201, 228, 110) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.0301, 0.3671, 0.4637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 228, 110) }
```

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

```
.background{ background-color: rgb(201,  
228, 110) }
```

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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