

# Converting Colors

$Yxy(73.1463, 0.3765, 0.4341)$

Have a look what the booklet for  
Yxy(73.1463, 0.3765, 0.4341)  
contains.

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# Color

**Yxy(73.0439, 0.3770, 0.4337)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4E382
RGB	228, 227, 130
RGB Percent	89%, 89%, 51%
CMY	0.1059, 0.1098, 0.4901
CMYK	0.00, 0.00, 0.43, 0.11
HSL	59°, 64%, 70%
HSV	59°, 43%, 89%
XYZ	63.4945, 73.0439, 31.8820
YIQ	216.2410, 31.7330, -29.9550

# Conversions

## Conversions Part 2

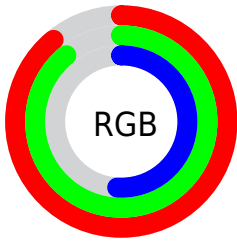
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 228, 130
Decimal	15000450
CIELab	88.47, -13.21, 47.31
CIELCh	88, 49.119, 105.598
Yxy	73.0439, 0.3770, 0.4337
Android (android.graphics.Color)	4293190530 (0xFFE4E382)
YUV	216.2410, -42.5168, 10.3126
Hunter-Lab	85.4657, -16.9532, 37.7086

# Details

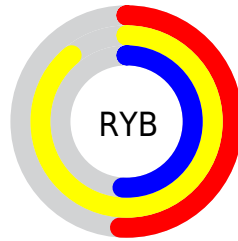
The Yxy color **73.0439, 0.3770, 0.4337** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.5892, 0.2324, 0.1972**, and the grayscale version is **69.1251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2407, 0.3550, 0.3988**, and **38.7130, 0.3892, 0.4577** is the 20% darker color. If you saturate the color by 10%, you get **72.3748, 0.3901, 0.4549**, and if you desaturate by 10%, it is **73.8555, 0.3626, 0.4103**.

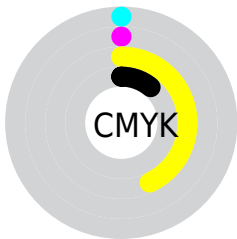
# Distribution



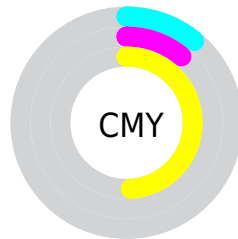
- Red (89%)
- Green (89%)
- Blue (51%)



- Red (51%)
- Yellow (89%)
- Blue (51%)



- Cyan (0%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)




- Cyan (11%)
- Magenta (11%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.0439, 0.3770, 0.4337 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 73.0439, 0.3770, 0.4337 by changing the saturation by 10% instead.




 73.0439, 0.3770,  
0.4337

 73.0439, 0.3770,  
0.4337

471.1669, 0.3491,  
0.3852


 54.0119, 0.3827,  
0.4445


 123.5395, 0.3678,  
0.4171

 38.6111, 0.3892,  
0.4575


 155.7719, 0.3641,  
0.4105

 26.4574, 0.3967,  
0.4735


 193.1732, 0.3608,  
0.4049

 17.1661, 0.4051,  
0.4932

236.1278, 0.3579,  
0.3999

 10.3530, 0.4135,  
0.5176

285.0200, 0.3553,  
0.3956

 5.6336, 0.4288,  
0.5589


340.2344, 0.3530,


 2.6236, 0.4182,


0.3917


0.5818


402.1552, 0.3510,  
0.3883


 0.9385, 0.3773,  
0.6227


 0.0000, 0.0000,  
0.0000


 73.0439, 0.3770,  
0.4337

 73.0439, 0.3770,  
0.4337


 72.3748, 0.3901,  
0.4549


 73.8555, 0.3626,  
0.4103


 71.8291, 0.4013,  
0.4728


 74.8079, 0.3474,  
0.3857


 71.4000, 0.4101,  
0.4869


 75.9119, 0.3321,  
0.3607

 71.0757, 0.4162,  
0.4966

 77.1745, 0.3171,  
0.3361

 70.8422, 0.4198,  
0.5020

 78.6024, 0.3027,  
0.3125

 70.7164, 0.4211,  
0.5038

 79.4162, 0.2960,  
0.3018

 79.5437, 0.2960,  
0.3020

 79.6714, 0.2960,  
0.3023

 79.7993, 0.2960,  
0.3025

# Harmonies

## Analogous

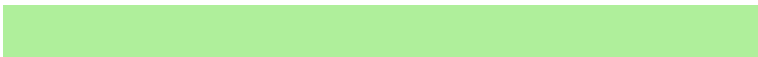
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.0439, 0.4180, 0.4059



73.0439, 0.3770, 0.4337



73.0439, 0.3209, 0.4307

# Triad

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



73.0439, 0.3770, 0.4337



73.0439, 0.2077, 0.2773



73.0439, 0.3558, 0.2770

# Complementary

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



73.0439, 0.3770, 0.4337



26.5892, 0.2324, 0.1972

# 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.



73.0439, 0.2955, 0.2482



73.0439, 0.3770, 0.4337



73.0439, 0.2148, 0.2454

# Square

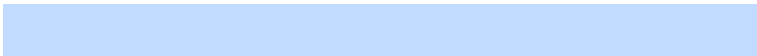
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.0439, 0.3770, 0.4337



73.0439, 0.2250, 0.3303



73.0439, 0.2451, 0.2365



73.0439, 0.4073, 0.3176



# Rectangle

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



73.0439, 0.3770, 0.4337



73.0439, 0.2828, 0.4073



73.0439, 0.2451, 0.2365



73.0439, 0.3356, 0.2658

# Sweetspot

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



73.0472, 0.3770, 0.4337



97.8317, 0.3323, 0.3610



34.1244, 0.4234, 0.3274



20.8688, 0.3357, 0.3665



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.



73.0472, 0.3770, 0.4337



93.3406, 0.3893, 0.4536



66.8796, 0.3406, 0.4489



16.7908, 0.3268, 0.3520



40.8465, 0.4211, 0.5039



3.0265, 0.4208, 0.5041



# Inverse Universe

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



26.5892, 0.2324, 0.1972



25.7380, 0.2123, 0.1641



30.9674, 0.2709, 0.2086



13.9104, 0.2980, 0.3049



3.2737, 0.1502, 0.0607

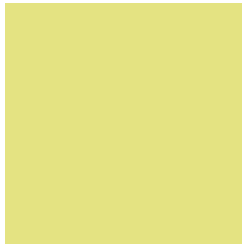


0.2502, 0.1507, 0.0625



# Previews

## White Background



This preview shows how the Yxy color 73.0439, 0.3770, 0.4337 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 73.0439, 0.3770, 0.4337 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

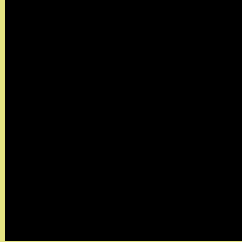
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.0439, 0.3770, 0.4337**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.0439, 0.3770, 0.4337.



This preview shows how white text looks on a background with the Yxy color 73.0439, 0.3770, 0.4337.

# 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

73.0439, 0.3770, 0.4337

### Protanopia

72.8558, 0.3922, 0.4266

### Deuteranopia

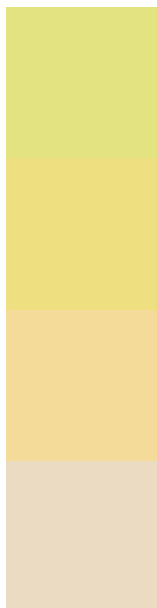
72.6880, 0.3771, 0.3775



## Tritanopia

72.7778, 0.3186, 0.3114

# Trichromacy



## Original Color

73.0439, 0.3770, 0.4337

## Protanomaly

73.0734, 0.3867, 0.4290

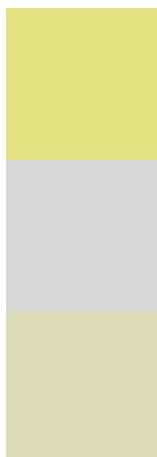
## Deuteranomaly

72.4086, 0.3778, 0.3975

## Tritanomaly

72.2653, 0.3410, 0.3549

# Monochromacy



## Original Color

73.0439, 0.3770, 0.4337

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

69.9048, 0.3365, 0.3683

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.0439, 0.3770, 0.4337 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(228, 227, 130)` looks like.

```
.text, #text, p{  
    color:rgb(228, 227, 130)  
}
```

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(228, 227, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 227, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 73.0439, 0.3770, 0.4337 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(228, 227, 130) }
```

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

```
.border{ border-color:rgb(228, 227, 130) }
```

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

Here you see how a box with a 4 pixel rgb(228, 227, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 227, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 227, 130);  
box-shadow:4px 4px 4px 4px rgb(228, 227,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.0439, 0.3770, 0.4337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 227, 130) }
```

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

```
.background{ background-color: rgb(228,  
227, 130) }
```

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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