

# Converting Colors

Yxy(72.4549, 0.3697, 0.4232)

Have a look what the booklet for  
Yxy(72.4549, 0.3697, 0.4232)  
contains.

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# Color

**Yxy(72.4549, 0.3697, 0.4232)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E28C
RGB	226, 226, 140
RGB Percent	89%, 89%, 55%
CMY	0.1137, 0.1137, 0.4510
CMYK	0.00, 0.00, 0.38, 0.11
HSL	60°, 60%, 72%
HSV	60°, 38%, 89%
XYZ	63.2953, 72.4549, 35.4570
YIQ	216.1960, 27.6060, -26.7460

# Conversions

## Conversions Part 2

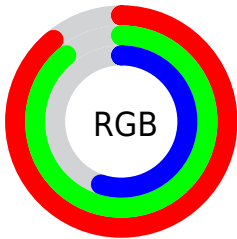
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	140, 226, 140
Decimal	14869132
CIE <sub>Lab</sub>	88.19, -12.45, 42.04
CIE <sub>LCh</sub>	88, 43.841, 106.500
Yxy	72.4549, 0.3697, 0.4232
Android (android.graphics.Color)	4293059212 (0xFFE2E28C)
YUV	216.1960, -37.5646, 8.5981
Hunter-Lab	85.1204, -16.2287, 34.8870

# Details

The Yxy color **72.4549, 0.3697, 0.4232** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.8220, 0.2429, 0.2135**, and the grayscale version is **69.0590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7201, 0.3484, 0.3880**, and **38.2654, 0.3808, 0.4457** is the 20% darker color. If you saturate the color by 10%, you get **71.8580, 0.3833, 0.4457**, and if you desaturate by 10%, it is **73.1953, 0.3550, 0.3989**.

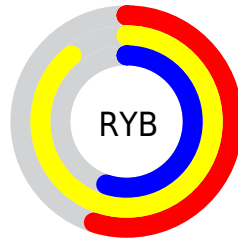
# Distribution



Red (89%)

Green (89%)

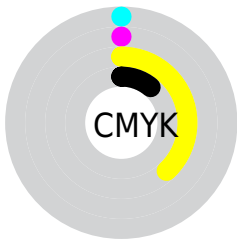
Blue (55%)



Red (55%)

Yellow (89%)

Blue (55%)

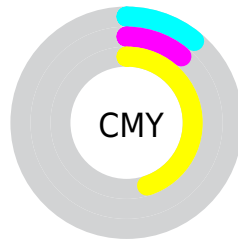


Cyan (0%)

Magenta (0%)

Yellow (38%)

Black (11%)



Cyan (11%)

Magenta (11%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4549, 0.3697, 0.4232 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 72.4549, 0.3697, 0.4232 by changing the saturation by 10% instead.





 72.4549, 0.3697,  
0.4232


 72.4549, 0.3697,  
0.4232


469.1234, 0.3446,  
0.3793


 53.5304, 0.3749,  
0.4331


 122.7031, 0.3614,  
0.4080

 38.2263, 0.3810,  
0.4452


 154.7955, 0.3580,  
0.4021

 26.1584, 0.3882,  
0.4602


 192.0460, 0.3551,  
0.3970

 16.9422, 0.3966,  
0.4790

234.8389, 0.3525,  
0.3925

 10.1933, 0.4057,  
0.5031

283.5587, 0.3502,  
0.3886

 5.5273, 0.4174,  
0.5379

338.5898, 0.3481,

 2.5598, 0.4217,

0.3851

0.5783

400.3166, 0.3463,  
0.3820

0.9065, 0.3808,  
0.6192

0.0000, 0.0000,  
0.0000

72.4549, 0.3697,  
0.4232

72.4549, 0.3697,  
0.4232

71.8580, 0.3833,  
0.4457

73.1953, 0.3550,  
0.3989

71.3863, 0.3953,  
0.4655


74.0770, 0.3398,  
0.3738

71.0338, 0.4050,  
0.4816


75.1105, 0.3246,  
0.3487


70.7896, 0.4122,  
0.4935


76.3025, 0.3099,  
0.3243

 70.6414, 0.4168,  
0.5011


 77.6592, 0.2959,  
0.3012


 70.5715, 0.4190,  
0.5047

 77.7880, 0.2947,  
0.2992

 70.5617, 0.4193,  
0.5052

 77.7885, 0.2947,  
0.2992

 77.7890, 0.2947,  
0.2992

 77.7895, 0.2947,  
0.2992

# Harmonies

## Analogous

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



72.4549, 0.4068, 0.4000



72.4549, 0.3697, 0.4232



72.4549, 0.3191, 0.4185

# Triad

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



72.4549, 0.3697, 0.4232



72.4549, 0.2175, 0.2819



72.4549, 0.3531, 0.2830

# Complementary

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



72.4549, 0.3697, 0.4232



29.8220, 0.2429, 0.2135

# 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.



72.4549, 0.2991, 0.2563



72.4549, 0.3697, 0.4232



72.4549, 0.2246, 0.2532

# Square

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



72.4549, 0.3697, 0.4232



72.4549, 0.2329, 0.3290



72.4549, 0.2530, 0.2452



72.4549, 0.3983, 0.3204



# Rectangle

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



72.4549, 0.3697, 0.4232



72.4549, 0.2849, 0.3971



72.4549, 0.2530, 0.2452



72.4549, 0.3351, 0.2726

# Sweetspot

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



72.4582, 0.3697, 0.4232



98.3225, 0.3292, 0.3562



36.8604, 0.4051, 0.3276



21.0046, 0.3313, 0.3597



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.



72.4582, 0.3697, 0.4232



94.6032, 0.3810, 0.4419



66.5343, 0.3380, 0.4341



16.0295, 0.3267, 0.3522



40.2525, 0.4193, 0.5052



2.7901, 0.4193, 0.5053



# Inverse Universe

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



29.8220, 0.2429, 0.2135



30.6901, 0.2250, 0.1840



34.1385, 0.2769, 0.2235



13.2434, 0.2980, 0.3047



3.1328, 0.1500, 0.0600

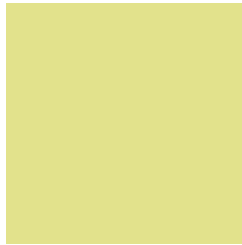


0.2172, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 72.4549, 0.3697, 0.4232 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

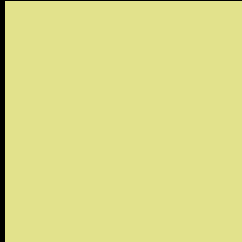
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.4549, 0.3697, 0.4232 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

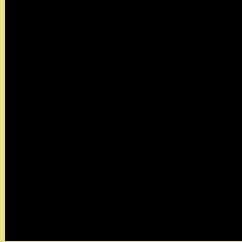
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.4549, 0.3697, 0.4232**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.4549, 0.3697, 0.4232.



This preview shows how white text looks on a background with the Yxy color 72.4549, 0.3697, 0.4232.

# 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

72.4549, 0.3697, 0.4232

### Protanopia

72.2487, 0.3847, 0.4166

### Deuteranopia

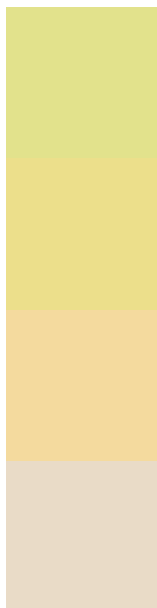
72.1803, 0.3774, 0.3765



## Tritanopia

72.4316, 0.3172, 0.3113

# Trichromacy



## Original Color

72.4549, 0.3697, 0.4232

## Protanomaly

72.4723, 0.3793, 0.4188

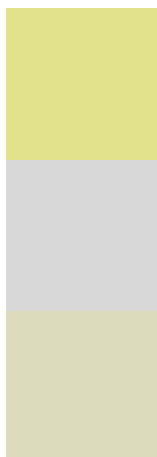
## Deuteranomaly

71.8445, 0.3746, 0.3926

## Tritanomaly

72.1102, 0.3367, 0.3506

# Monochromacy



## Original Color

72.4549, 0.3697, 0.4232

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

70.0329, 0.3344, 0.3649

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.4549, 0.3697, 0.4232 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(226, 226, 140)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 140)  
}
```

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(226, 226, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 72.4549, 0.3697, 0.4232 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(226, 226, 140) }
```

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

```
.border{ border-color:rgb(226, 226, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 226, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 226, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 226, 140);  
box-shadow:4px 4px 4px 4px rgb(226, 226,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.4549, 0.3697, 0.4232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 226, 140) }
```

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

```
.background{ background-color: rgb(226,  
226, 140) }
```

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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