

# Converting Colors

$Y_{xy}(72.0975, 0.3625, 0.4058)$

Have a look what the booklet for  
Yxy(72.0975, 0.3625, 0.4058)  
contains.

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# Color

**Yxy(72.1384, 0.3628, 0.4059)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4E09A
RGB	228, 224, 154
RGB Percent	89%, 88%, 60%
CMY	0.1060, 0.1215, 0.3960
CMYK	0.00, 0.02, 0.32, 0.11
HSL	57°, 58%, 75%
HSV	57°, 32%, 89%
XYZ	64.4785, 72.1384, 41.1077
YIQ	217.2160, 24.8540, -20.9220

# Conversions

## Conversions Part 2

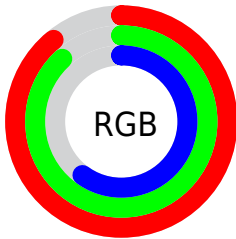
Format	Color
<b>RYB</b>	158, 228, 154
Decimal	14999706
CIELab	88.04, -9.09, 34.82
CIELCh	88, 35.989, 104.635
Yxy	72.1384, 0.3628, 0.4059
Android (android.graphics.Color)	4293189786 (0xFFE4E09A)
YUV	217.2160, -31.1655, 9.4576
Hunter-Lab	84.9343, -13.1256, 30.7580

# Details

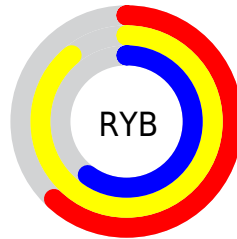
The Yxy color **72.1384, 0.3628, 0.4059** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.9213, 0.2554, 0.2384**, and the grayscale version is **69.7497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **38.1059, 0.3739, 0.4241** is the 20% darker color. If you saturate the color by 10%, you get **70.7986, 0.3780, 0.4287**, and if you desaturate by 10%, it is **73.6337, 0.3471, 0.3821**.

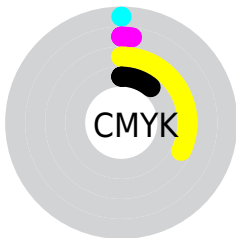
# Distribution



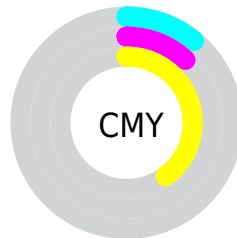
- Red (89%)
- Green (88%)
- Blue (60%)



- Red (62%)
- Yellow (89%)
- Blue (60%)



- Cyan (0%)
- Magenta (2%)
- Yellow (32%)
- Black (11%)



- Cyan (11%)
- Magenta (12%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1384, 0.3628, 0.4059 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 72.1384, 0.3628, 0.4059 by changing the saturation by 10% instead.




 72.1384, 0.3628,  
0.4059


 72.1384, 0.3628,  
0.4059


468.0232, 0.3403,  
0.3700

 53.2717, 0.3677,  
0.4141

 122.2533, 0.3552,  
0.3934

 38.0197, 0.3735,  
0.4241


 154.2703, 0.3522,  
0.3886

 25.9980, 0.3805,  
0.4366


191.4395, 0.3496,  
0.3844

 16.8222, 0.3891,  
0.4527

234.1454, 0.3473,  
0.3808

 10.1078, 0.3996,  
0.4737

282.7723, 0.3452,  
0.3776

 5.4705, 0.4116,  
0.5017

337.7047, 0.3434,

 2.5259, 0.4396,

0.3748

0.5604

399.3268, 0.3418,  
0.3722

0.8895, 0.4121,  
0.5879

0.0000, 0.0000,  
0.0000

72.1384, 0.3628,  
0.4059

72.1384, 0.3628,  
0.4059

70.7986, 0.3780,  
0.4287

73.6337, 0.3471,  
0.3821

69.5964, 0.3921,  
0.4494

75.2822, 0.3315,  
0.3581

68.5259, 0.4045,  
0.4672

77.0943, 0.3163,  
0.3346

67.5770, 0.4146,  
0.4811

79.0766, 0.3019,  
0.3121

■ 66.7382, 0.4221,  
0.4906

■ 80.3685, 0.2960,  
0.3036

■ 65.9954, 0.4269,  
0.4958

■ 81.0510, 0.2960,  
0.3049

■ 65.4804, 0.4291,  
0.4975

■ 81.7381, 0.2961,  
0.3061

■ 82.4301, 0.2961,  
0.3074

■ 83.1268, 0.2961,  
0.3087

# Harmonies

## Analogous

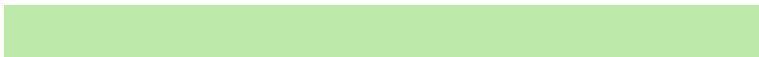
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.1384, 0.3918, 0.3870



72.1384, 0.3628, 0.4059



72.1384, 0.3214, 0.4025

# Triad

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



72.1384, 0.3628, 0.4059



72.1384, 0.2334, 0.2929



72.1384, 0.3435, 0.2890

# Complementary

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



72.1384, 0.3628, 0.4059



36.9213, 0.2554, 0.2384

# 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.



72.1384, 0.2992, 0.2670



72.1384, 0.3628, 0.4059



72.1384, 0.2381, 0.2672

# Square

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



72.1384, 0.3628, 0.4059



72.1384, 0.2479, 0.3324



72.1384, 0.2613, 0.2588



72.1384, 0.3811, 0.3204



# Rectangle

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



72.1384, 0.3628, 0.4059



72.1384, 0.2928, 0.3861



72.1384, 0.2613, 0.2588



72.1384, 0.3287, 0.2803

# Sweetspot

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



72.1417, 0.3628, 0.4059



97.5969, 0.3278, 0.3524



42.1108, 0.3825, 0.3234



20.8212, 0.3300, 0.3558



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.



72.1417, 0.3628, 0.4059



91.8138, 0.3732, 0.4216



69.5322, 0.3375, 0.4166



16.6779, 0.3269, 0.3510



37.8780, 0.4290, 0.4976



2.8398, 0.4274, 0.4988



# Inverse Universe

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



36.9213, 0.2554, 0.2384



39.6896, 0.2413, 0.2157



39.1673, 0.2803, 0.2395



14.0103, 0.2980, 0.3060



3.4420, 0.1510, 0.0634

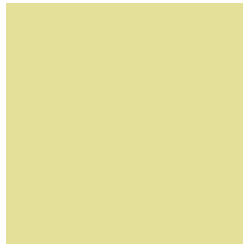


0.2983, 0.1536, 0.0731



# Previews

## White Background



This preview shows how the Yxy color 72.1384, 0.3628, 0.4059 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

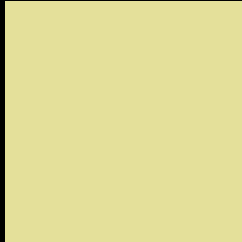
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.1384, 0.3628, 0.4059 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

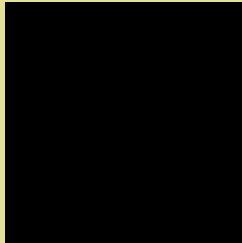
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.1384, 0.3628, 0.4059**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.1384, 0.3628, 0.4059.



This preview shows how white text looks on a background with the Yxy color 72.1384, 0.3628, 0.4059.

# 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

72.1384, 0.3628, 0.4059

### Protanopia

72.3635, 0.3731, 0.4017

### Deuteranopia

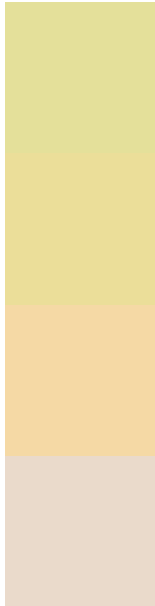
71.7888, 0.3756, 0.3725



## Tritanopia

71.8672, 0.3179, 0.3113

# Trichromacy



## Original Color

72.1384, 0.3628, 0.4059

## Protanomaly

72.2046, 0.3696, 0.4035

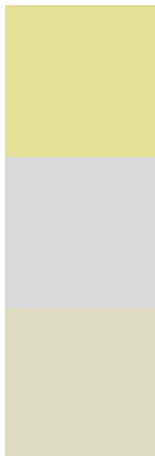
## Deuteranomaly

71.7548, 0.3707, 0.3841

## Tritanomaly

71.9470, 0.3348, 0.3452

# Monochromacy



## Original Color

72.1384, 0.3628, 0.4059

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

70.4536, 0.3310, 0.3580

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.1384, 0.3628, 0.4059 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, 224, 154)` looks like.

```
.text, #text, p{  
    color:rgb(228, 224, 154)  
}
```

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, 224, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 224, 154) }
```

## Border

The CSS property to change the border of an element to Yxy 72.1384, 0.3628, 0.4059 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, 224, 154) }
```

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

```
.border{ border-color:rgb(228, 224, 154) }
```

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

Here you see how a box with a 4 pixel rgb(228, 224, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 224, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 224, 154);  
box-shadow:4px 4px 4px 4px rgb(228, 224,  
154) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.1384, 0.3628, 0.4059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 224, 154) }
```

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

```
.background{ background-color: rgb(228,  
224, 154) }
```

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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