

# Converting Colors

$Yxy(72.3718, 0.3445, 0.3577)$

Have a look what the booklet for  
Yxy(72.3718, 0.3445, 0.3577)  
contains.

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# Color

**Yxy(72.4733, 0.3447, 0.3580)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EDDBC0
RGB	237, 219, 192
RGB Percent	93%, 86%, 75%
CMY	0.0704, 0.1412, 0.2470
CMYK	0.00, 0.08, 0.19, 0.07
HSL	36°, 56%, 84%
HSV	36°, 19%, 93%
XYZ	69.7809, 72.4733, 60.1852
YIQ	221.3040, 19.3950, -4.5810

# Conversions

## Conversions Part 2

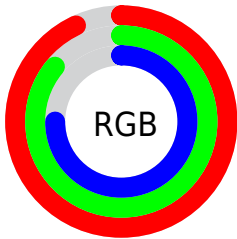
Format	Color
R <sub>Y</sub> B	222, 237, 192
Decimal	15588288
CIE Lab	88.20, 1.94, 15.51
CIE LCh	88, 15.632, 82.866
Yxy	72.4733, 0.3447, 0.3580
Android (android.graphics.Color)	4293778368 (0xFFEDDBC0)
YUV	221.3040, -14.4469, 13.7654
Hunter-Lab	85.1313, -2.6658, 17.6756

# Details

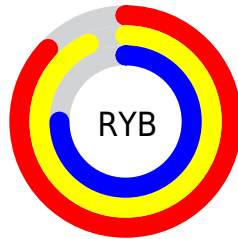
The Yxy color **72.4733, 0.3447, 0.3580** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **63.4448, 0.2824, 0.2982**, and the grayscale version is **72.6295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.5573, 0.3168, 0.3357**, and **38.2097, 0.3529, 0.3653** is the 20% darker color. If you saturate the color by 10%, you get **66.6931, 0.3643, 0.3741**, and if you desaturate by 10%, it is **78.7120, 0.3270, 0.3424**.

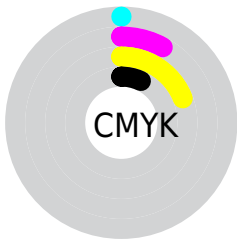
# Distribution



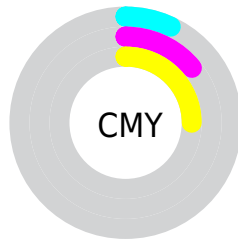
- Red (93%)
- Green (86%)
- Blue (75%)



- Red (87%)
- Yellow (93%)
- Blue (75%)



- Cyan (0%)
- Magenta (8%)
- Yellow (19%)
- Black (7%)



- Cyan (7%)
- Magenta (14%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4733, 0.3447, 0.3580 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 72.4733, 0.3447, 0.3580 by changing the saturation by 10% instead.





 72.4733, 0.3447,  
0.3580

 72.4733, 0.3447,  
0.3580


469.1873, 0.3299,  
0.3446

 53.5454, 0.3481,  
0.3610


 122.7292, 0.3395,  
0.3534

 38.2383, 0.3523,  
0.3648


154.8260, 0.3375,  
0.3516

 26.1677, 0.3576,  
0.3694


192.0812, 0.3358,  
0.3500

 16.9492, 0.3645,  
0.3755


234.8792, 0.3343,  
0.3487

 10.1982, 0.3739,  
0.3837

283.6044, 0.3330,  
0.3475

 5.5306, 0.3873,  
0.3953

338.6413, 0.3318,

 2.5618, 0.4078,

0.3464

0.4125

400.3741, 0.3308,  
0.3455

0.9075, 0.5011,  
0.4989

0.0000, 0.0000,  
0.0000

72.4733, 0.3447,  
0.3580

72.4733, 0.3447,  
0.3580

66.6931, 0.3643,  
0.3741

78.7120, 0.3270,  
0.3424

61.3491, 0.3857,  
0.3900

85.4117, 0.3112,  
0.3276

56.4308, 0.4085,  
0.4051

92.0529, 0.3018,  
0.3216

51.9238, 0.4321,  
0.4184

96.7509, 0.3018,  
0.3290

■ 47.8124, 0.4555,  
0.4286

■ 44.0792, 0.4773,  
0.4345

■ 40.7045, 0.4965,  
0.4352

■ 37.6608, 0.5122,  
0.4308

■ 37.3704, 0.5137,  
0.4303

# Harmonies

## Analogous

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



72.4733, 0.3501, 0.3461



72.4733, 0.3447, 0.3580



72.4733, 0.3306, 0.3623

# Triad

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



72.4733, 0.3447, 0.3580



72.4733, 0.2812, 0.3263



72.4733, 0.3125, 0.3029

# Complementary

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



72.4733, 0.3447, 0.3580



63.4448, 0.2824, 0.2982

# 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.



72.4733, 0.2943, 0.2975



72.4733, 0.3447, 0.3580



72.4733, 0.2767, 0.3102

# Square

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



72.4733, 0.3447, 0.3580



72.4733, 0.2940, 0.3437



72.4733, 0.2814, 0.2999



72.4733, 0.3313, 0.3148



# Rectangle

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



72.4733, 0.3447, 0.3580



72.4733, 0.3184, 0.3600



72.4733, 0.2814, 0.2999



72.4733, 0.3062, 0.3003

# Sweetspot

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



72.4765, 0.3447, 0.3580



95.2036, 0.3221, 0.3379



60.4066, 0.3349, 0.3088



20.2683, 0.3232, 0.3389



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

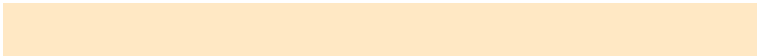


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.4765, 0.3447, 0.3580



82.6914, 0.3525, 0.3646



81.7679, 0.3387, 0.3767



16.5554, 0.3278, 0.3431



20.6595, 0.5118, 0.4319



1.8098, 0.4955, 0.4448



# Inverse Universe

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



63.4448, 0.2824, 0.2982



70.1125, 0.2755, 0.2907



55.5245, 0.2839, 0.2773



15.5397, 0.2980, 0.3145



8.0451, 0.1686, 0.1267

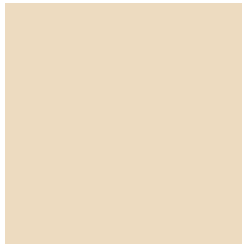


0.8155, 0.1762, 0.1541



# Previews

## White Background



This preview shows how the Yxy color 72.4733, 0.3447, 0.3580 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

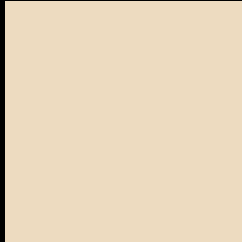
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.4733, 0.3447, 0.3580 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

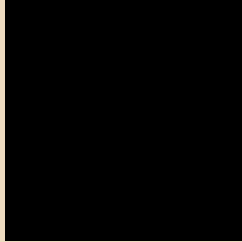
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

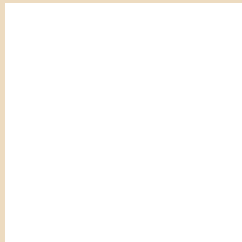
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.4733, 0.3447, 0.3580**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.4733, 0.3447, 0.3580.

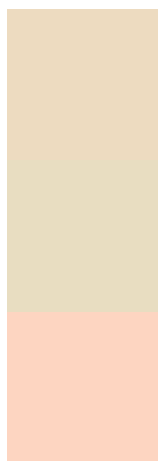


This preview shows how white text looks on a background with the Yxy color 72.4733, 0.3447, 0.3580.

# 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

72.4733, 0.3447, 0.3580

### Protanopia

72.7190, 0.3398, 0.3594

### Deuteranopia

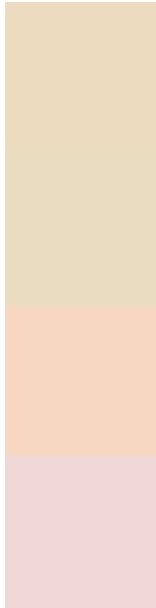
72.3214, 0.3575, 0.3498



## Tritanopia

72.1789, 0.3223, 0.3115

# Trichromacy



**Original Color**

72.4733, 0.3447, 0.3580

**Protanomaly**

72.5291, 0.3415, 0.3582

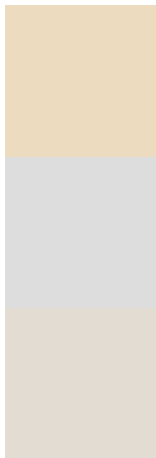
**Deuteranomaly**

72.2253, 0.3524, 0.3522

**Tritanomaly**

72.0840, 0.3305, 0.3280

# Monochromacy



**Original Color**

72.4733, 0.3447, 0.3580

**Achromatopsia**

72.3055, 0.3127, 0.3290

**Achromatomaly**

72.1704, 0.3245, 0.3399

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.4733, 0.3447, 0.3580 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(237, 219, 192)` looks like.

```
.text, #text, p{  
    color:rgb(237, 219, 192)  
}
```

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(237, 219, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 219, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 72.4733, 0.3447, 0.3580 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(237, 219, 192) }
```

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

```
.border{ border-color:rgb(237, 219, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 219, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 219, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 219, 192); box-shadow:4px 4px 4px 4px rgb(237, 219, 192) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 72.4733, 0.3447, 0.3580$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 219, 192) }
```

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

```
.background{ background-color: rgb(237,  
219, 192) }
```

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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