

# Converting Colors

$Yxy(72.9386, 0.3498, 0.3792)$

Have a look what the booklet for  
Yxy(72.9386, 0.3498, 0.3792)  
contains.

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# Color

**Yxy(72.9386, 0.3498, 0.3792)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7DFB1
RGB	231, 223, 177
RGB Percent	91%, 87%, 69%
CMY	0.0940, 0.1255, 0.3059
CMYK	0.00, 0.03, 0.23, 0.09
HSL	51°, 53%, 80%
HSV	51°, 23%, 91%
XYZ	67.2836, 72.9386, 52.1265
YIQ	220.1480, 19.5340, -12.6100

# Conversions

## Conversions Part 2

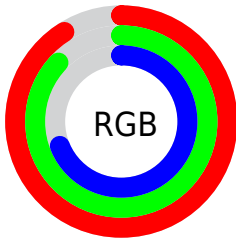
Format	Color
R <sub>Y</sub> B	186, 231, 177
Decimal	15196081
CIE Lab	88.42, -4.46, 23.57
CIE LCh	88, 23.993, 100.723
Yxy	72.9386, 0.3498, 0.3792
Android (android.graphics.Color)	4293386161 (0xFFE7DFB1)
YUV	220.1480, -21.2720, 9.5172
Hunter-Lab	85.4041, -8.8303, 23.5952

# Details

The Yxy color **72.9386, 0.3498, 0.3792** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.8256, 0.2737, 0.2733**, and the grayscale version is **71.8237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **38.5745, 0.3584, 0.3914** is the 20% darker color. If you saturate the color by 10%, you get **70.2823, 0.3667, 0.4010**, and if you desaturate by 10%, it is **75.7945, 0.3334, 0.3573**.

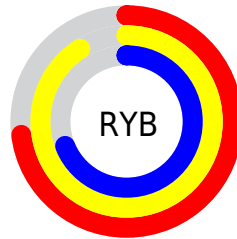
# Distribution



Red (91%)

Green (87%)

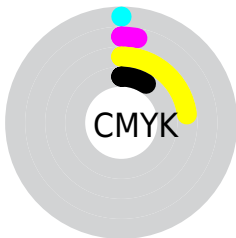
Blue (69%)



Red (73%)

Yellow (91%)

Blue (69%)

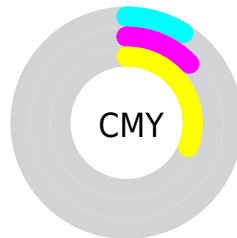


Cyan (0%)

Magenta (3%)

Yellow (23%)

Black (9%)



Cyan (9%)

Magenta (13%)


Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.9386, 0.3498, 0.3792 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 72.9386, 0.3498, 0.3792 by changing the saturation by 10% instead.




 72.9386, 0.3498,  
0.3792

 72.9386, 0.3498,  
0.3792


470.8020, 0.3328,  
0.3558

 53.9258, 0.3536,  
0.3845

 123.3900, 0.3440,  
0.3711

 38.5423, 0.3582,  
0.3911

155.5974, 0.3417,  
0.3679

 26.4039, 0.3640,  
0.3994


192.9718, 0.3397,  
0.3652

 17.1260, 0.3714,  
0.4102

235.8975, 0.3380,  
0.3629

 10.3244, 0.3811,  
0.4248

284.7590, 0.3365,  
0.3608

 5.6146, 0.3942,  
0.4451

339.9406, 0.3351,

 2.6122, 0.4157,

0.3589

0.4793

401.8268, 0.3339,  
0.3573

0.9328, 0.4544,  
0.5456

0.0000, 0.0000,  
0.0000

72.9386, 0.3498,  
0.3792

72.9386, 0.3498,  
0.3792

70.2823, 0.3667,  
0.4010

75.7945, 0.3334,  
0.3573

67.8079, 0.3836,  
0.4220

78.8477, 0.3178,  
0.3360

65.5097, 0.3998,  
0.4411

82.1087, 0.3032,  
0.3157

63.3781, 0.4147,  
0.4575

84.6208, 0.2980,  
0.3105

61.4025, 0.4275,  
0.4700

86.6235, 0.2981,  
0.3140

59.5704, 0.4377,  
0.4781

88.6645, 0.2981,  
0.3175

57.8667, 0.4450,  
0.4816

90.7439, 0.2981,  
0.3210

56.7946, 0.4486,  
0.4820

92.8620, 0.2981,  
0.3244

95.0188, 0.2982,  
0.3278

# Harmonies

## Analogous

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



72.9386, 0.3670, 0.3664



72.9386, 0.3498, 0.3792



72.9386, 0.3230, 0.3780

# Triad

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



72.9386, 0.3498, 0.3792



72.9386, 0.2594, 0.3088



72.9386, 0.3297, 0.2994

# Complementary

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



72.9386, 0.3498, 0.3792



49.8256, 0.2737, 0.2733

# Split Complementary

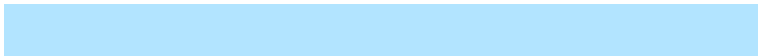
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.9386, 0.3003, 0.2852



72.9386, 0.3498, 0.3792



72.9386, 0.2608, 0.2895

# Square

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



72.9386, 0.3498, 0.3792



72.9386, 0.2714, 0.3355



72.9386, 0.2755, 0.2814



72.9386, 0.3553, 0.3208



# Rectangle

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



72.9386, 0.3498, 0.3792



72.9386, 0.3037, 0.3685



72.9386, 0.2755, 0.2814



72.9386, 0.3199, 0.2937

# Sweetspot

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



72.9419, 0.3498, 0.3792



97.2234, 0.3234, 0.3437



51.9442, 0.3539, 0.3200



20.7599, 0.3243, 0.3450



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

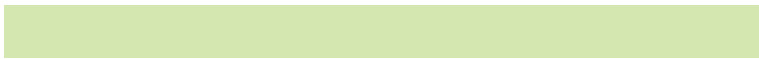
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.9419, 0.3498, 0.3792



89.6440, 0.3578, 0.3897



74.3526, 0.3341, 0.3900



16.4332, 0.3271, 0.3488



31.9776, 0.4481, 0.4824



2.4627, 0.4432, 0.4863



# Inverse Universe

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



49.8256, 0.2737, 0.2733



56.0354, 0.2648, 0.2600



48.9386, 0.2873, 0.2658



14.2308, 0.2980, 0.3083



3.9960, 0.1535, 0.0724

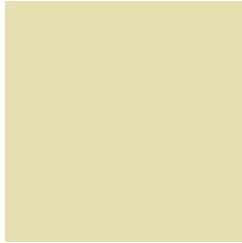


0.4034, 0.1597, 0.0948



# Previews

## White Background



This preview shows how the Yxy color 72.9386, 0.3498, 0.3792 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

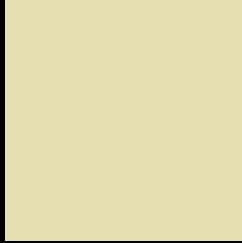
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.9386, 0.3498, 0.3792 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

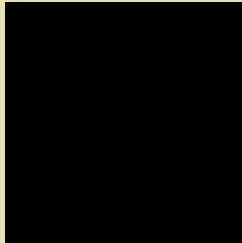
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

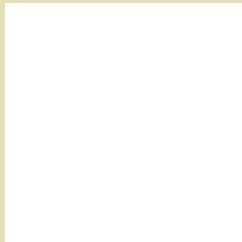
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.9386, 0.3498, 0.3792**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.9386, 0.3498, 0.3792.



This preview shows how white text looks on a background with the Yxy color 72.9386, 0.3498, 0.3792.

# 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

72.9386, 0.3498, 0.3792

### Protanopia

72.6804, 0.3548, 0.3776

### Deuteranopia

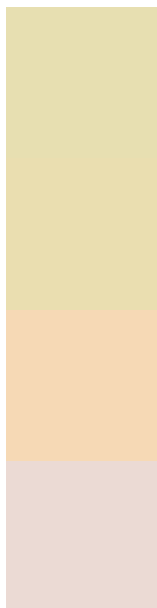
72.7720, 0.3663, 0.3610



## Tritanopia

72.6042, 0.3179, 0.3114

# Trichromacy



## Original Color

72.9386, 0.3498, 0.3792

## Protanomaly

72.8696, 0.3530, 0.3789

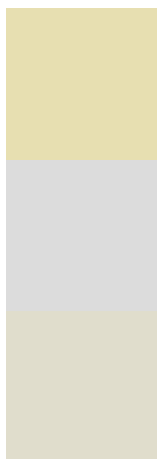
## Deuteranomaly

72.5547, 0.3600, 0.3670

## Tritanomaly

72.5584, 0.3292, 0.3354

# Monochromacy



## Original Color

72.9386, 0.3498, 0.3792

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

71.9198, 0.3263, 0.3477

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.9386, 0.3498, 0.3792 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(231, 223, 177)` looks like.

```
.text, #text, p{  
    color:rgb(231, 223, 177)  
}
```

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(231, 223, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 223, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 72.9386, 0.3498, 0.3792 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(231, 223, 177) }
```

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

```
.border{ border-color:rgb(231, 223, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 223, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 223, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 223, 177); box-shadow:4px 4px 4px 4px rgb(231, 223, 177) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.9386, 0.3498, 0.3792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 223, 177) }
```

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

```
.background{ background-color: rgb(231,  
223, 177) }
```

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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