

# Converting Colors

$Yxy(71.6057, 0.3400, 0.3674)$

Have a look what the booklet for  
Yxy(71.6057, 0.3400, 0.3674)  
contains.

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# Color

**Yxy(71.4268, 0.3402, 0.3677)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E2DDBA
RGB	226, 221, 186
RGB Percent	89%, 87%, 73%
CMY	0.1137, 0.1333, 0.2707
CMYK	0.00, 0.02, 0.18, 0.11
HSL	52°, 41%, 81%
HSV	52°, 18%, 89%
XYZ	66.0848, 71.4268, 56.7413
YIQ	218.5050, 14.2150, -9.8250

# Conversions

## Conversions Part 2

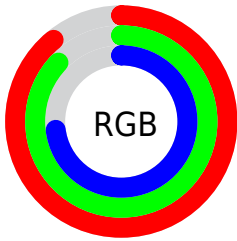
Format	Color
<b>RYB</b>	192, 226, 186
Decimal	14867898
CIELab	87.69, -3.99, 17.83
CIELCh	88, 18.277, 102.626
Yxy	71.4268, 0.3402, 0.3677
Android (android.graphics.Color)	4293057978 (0xFFE2DDBA)
YUV	218.5050, -16.0250, 6.5731
Hunter-Lab	84.5144, -8.3246, 19.3539

# Details

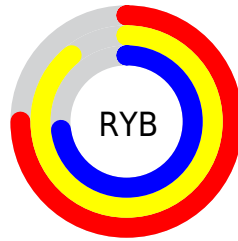
The Yxy color **71.4268, 0.3402, 0.3677** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **53.1834, 0.2840, 0.2871**, and the grayscale version is **70.5853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **37.5119, 0.3459, 0.3767** is the 20% darker color. If you saturate the color by 10%, you get **69.0615, 0.3566, 0.3901**, and if you desaturate by 10%, it is **73.9757, 0.3244, 0.3456**.

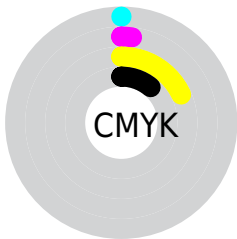
# Distribution



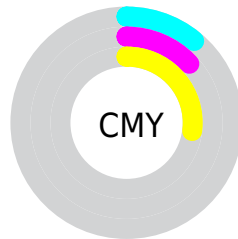
- Red (89%)
- Green (87%)
- Blue (73%)



- Red (75%)
- Yellow (89%)
- Blue (73%)



- Cyan (0%)
- Magenta (2%)
- Yellow (18%)
- Black (11%)




- Cyan (11%)
- Magenta (13%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.4268, 0.3402, 0.3677 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 71.4268, 0.3402, 0.3677 by changing the saturation by 10% instead.




 71.4268, 0.3402,  
0.3677

 71.4268, 0.3402,  
0.3677


465.5440, 0.3275,  
0.3496

 52.6906, 0.3431,  
0.3719


 121.2412, 0.3358,  
0.3614

 37.5558, 0.3466,  
0.3770


153.0882, 0.3341,  
0.3589

 25.6381, 0.3510,  
0.3836


190.0743, 0.3326,  
0.3568

 16.5531, 0.3568,  
0.3922

232.5838, 0.3314,  
0.3550

 9.9164, 0.3645,  
0.4040

281.0011, 0.3302,  
0.3534

 5.3436, 0.3752,  
0.4210

335.7107, 0.3292,

 2.4502, 0.3910,

0.3520

0.4473

397.0968, 0.3283,  
0.3507

0.8515, 0.4553,  
0.5447

0.0000, 0.0000,  
0.0000

71.4268, 0.3402,  
0.3677

71.4268, 0.3402,  
0.3677

69.0615, 0.3566,  
0.3901

73.9757, 0.3244,  
0.3456

66.8629, 0.3732,  
0.4121

76.7055, 0.3094,  
0.3242

64.8266, 0.3894,  
0.4328

79.6257, 0.2955,  
0.3041

62.9439, 0.4045,  
0.4512

81.2879, 0.2948,  
0.3058

61.2053, 0.4178,  
0.4662

82.8973, 0.2949,  
0.3087

59.6002, 0.4288,  
0.4772

84.5325, 0.2949,  
0.3117

58.1159, 0.4370,  
0.4837

86.1936, 0.2950,  
0.3146

56.7353, 0.4425,  
0.4858

87.8807, 0.2950,  
0.3175

56.4286, 0.4436,  
0.4860

89.5940, 0.2951,  
0.3204

# Harmonies

## Analogous

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



71.4268, 0.3538, 0.3589



71.4268, 0.3402, 0.3677



71.4268, 0.3195, 0.3657

# Triad

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



71.4268, 0.3402, 0.3677



71.4268, 0.2712, 0.3127



71.4268, 0.3273, 0.3070

# Complementary

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



71.4268, 0.3402, 0.3677



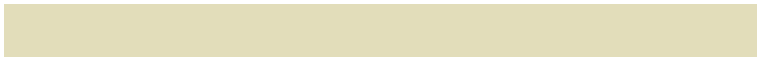
53.1834, 0.2840, 0.2871

# Split Complementary

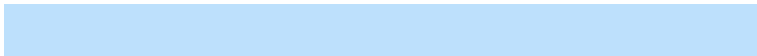
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.4268, 0.3048, 0.2954



71.4268, 0.3402, 0.3677



71.4268, 0.2730, 0.2980

# Square

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



71.4268, 0.3402, 0.3677



71.4268, 0.2800, 0.3328



71.4268, 0.2851, 0.2920



71.4268, 0.3463, 0.3240



# Rectangle

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



71.4268, 0.3402, 0.3677



71.4268, 0.3046, 0.3580



71.4268, 0.2851, 0.2920



71.4268, 0.3198, 0.3023

# Sweetspot

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



71.4300, 0.3402, 0.3677



98.1913, 0.3202, 0.3397



55.0528, 0.3424, 0.3230



20.9636, 0.3213, 0.3413



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.



71.4300, 0.3402, 0.3677



92.8138, 0.3458, 0.3754



71.8447, 0.3285, 0.3745



15.7212, 0.3270, 0.3493



32.3075, 0.4431, 0.4864



2.3226, 0.4389, 0.4897



# Inverse Universe

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



53.1834, 0.2840, 0.2871



64.8880, 0.2778, 0.2779



52.9676, 0.2948, 0.2825



13.5185, 0.2981, 0.3078



3.7078, 0.1527, 0.0697

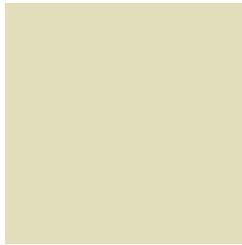


0.3489, 0.1586, 0.0909



# Previews

## White Background



This preview shows how the Yxy color 71.4268, 0.3402, 0.3677 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

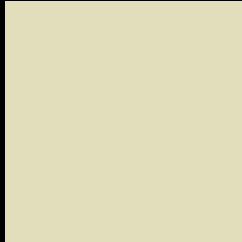
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.4268, 0.3402, 0.3677 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

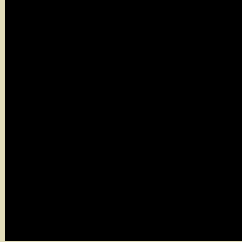
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

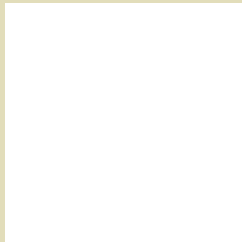
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.4268, 0.3402, 0.3677**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.4268, 0.3402, 0.3677.



This preview shows how white text looks on a background with the Yxy color 71.4268, 0.3402, 0.3677.

# 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

71.4268, 0.3402, 0.3677

### Protanopia

71.3216, 0.3458, 0.3661

### Deuteranopia

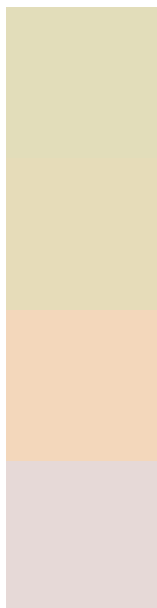
71.4133, 0.3608, 0.3540



## Tritanopia

71.5262, 0.3142, 0.3121

# Trichromacy



## Original Color

71.4268, 0.3402, 0.3677

## Protanomaly

71.5122, 0.3441, 0.3674

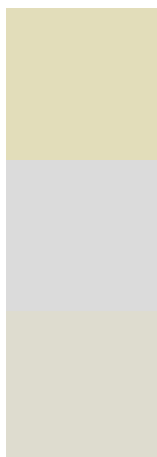
## Deuteranomaly

71.2434, 0.3537, 0.3588

## Tritanomaly

71.3550, 0.3236, 0.3312

# Monochromacy



## Original Color

71.4268, 0.3402, 0.3677

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

71.2210, 0.3229, 0.3433

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.4268, 0.3402, 0.3677 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, 221, 186)` looks like.

```
.text, #text, p{  
    color:rgb(226, 221, 186)  
}
```

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, 221, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 221, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 71.4268, 0.3402, 0.3677 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, 221, 186) }
```

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

```
.border{ border-color:rgb(226, 221, 186) }
```

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

Here you see how a box with a 4 pixel rgb(226, 221, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 221, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 221, 186);  
box-shadow:4px 4px 4px 4px rgb(226, 221,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.4268, 0.3402, 0.3677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 221, 186) }
```

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

```
.background{ background-color: rgb(226,  
221, 186) }
```

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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