

# Converting Colors

$Y_{xy}(71.7096, 0.3375, 0.3450)$

Have a look what the booklet for  
Yxy(71.7096, 0.3375, 0.3450)  
contains.

<b>Yxy(71.7228, 0.3372, 0.3451)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(71.7228, 0.3372, 0.3451)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECD9CA
RGB	236, 217, 202
RGB Percent	93%, 85%, 79%
CMY	0.0743, 0.1491, 0.2078
CMYK	0.00, 0.08, 0.14, 0.07
HSL	26°, 47%, 86%
HSV	26°, 14%, 93%
XYZ	70.0809, 71.7228, 66.0282
YIQ	220.9710, 16.1390, -0.6370

# Conversions

## Conversions Part 2

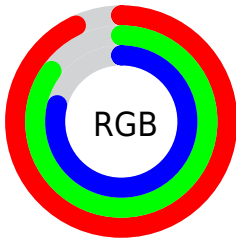
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 229, 202
Decimal	15522250
CIE Lab	87.83, 4.14, 9.74
CIE LCh	88, 10.585, 66.959
Yxy	71.7228, 0.3372, 0.3451
Android (android.graphics.Color)	4293712330 (0xFFECD9CA)
YUV	220.9710, -9.3527, 13.1804
Hunter-Lab	84.6893, -0.4965, 13.0569

# Details

The Yxy color **71.7228, 0.3372, 0.3451** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.3722, 0.2902, 0.3124**, and the grayscale version is **72.3500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.6821, 0.3431, 0.3486** is the 20% darker color. If you saturate the color by 10%, you get **64.1469, 0.3574, 0.3570**, and if you desaturate by 10%, it is **80.0223, 0.3197, 0.3338**.

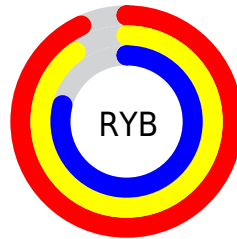
# Distribution



Red (93%)

Green (85%)

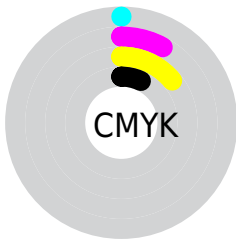
Blue (79%)



Red (93%)

Yellow (90%)

Blue (79%)

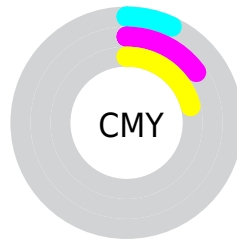


Cyan (0%)

Magenta (8%)

Yellow (14%)

Black (7%)



Cyan (7%)

Magenta (15%)

Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.7228, 0.3372, 0.3451 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 71.7228, 0.3372, 0.3451 by changing the saturation by 10% instead.



71.7228, 0.3372,  
0.3451

71.7228, 0.3372,  
0.3451

466.5762, 0.3258,  
0.3377

52.9323, 0.3398,  
0.3468

121.6623, 0.3332,  
0.3426

37.7487, 0.3431,  
0.3488

153.5801, 0.3317,  
0.3416

25.7877, 0.3472,  
0.3514

190.6425, 0.3304,  
0.3407

16.6649, 0.3527,  
0.3548

233.2338, 0.3292,  
0.3399

9.9959, 0.3601,  
0.3593

281.7384, 0.3282,  
0.3393

5.3962, 0.3710,  
0.3657

336.5407, 0.3273,

2.4816, 0.3882,

0.3387

0.3755

398.0252, 0.3265,  
0.3382

0.8674, 0.4508,  
0.4212

0.0000, 0.0000,  
0.0000

71.7228, 0.3372,  
0.3451

71.7228, 0.3372,  
0.3451

64.1469, 0.3574,  
0.3570

80.0223, 0.3197,  
0.3338

57.2645, 0.3805,  
0.3691

89.0554, 0.3046,  
0.3232

51.0572, 0.4065,  
0.3808

96.5836, 0.3012,  
0.3290

45.5024, 0.4351,  
0.3913

■ 40.5756, 0.4653,  
0.3995

■ 36.2505, 0.4958,  
0.4041

■ 32.4985, 0.5244,  
0.4038

■ 29.2869, 0.5489,  
0.3980

■ 27.7117, 0.5608,  
0.3929

# Harmonies

## Analogous

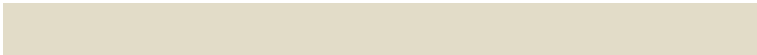
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.7228, 0.3371, 0.3353



71.7228, 0.3372, 0.3451



71.7228, 0.3306, 0.3508

# Triad

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



71.7228, 0.3372, 0.3451



71.7228, 0.2953, 0.3336



71.7228, 0.3058, 0.3084

# Complementary

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



71.7228, 0.3372, 0.3451



70.3722, 0.2902, 0.3124

# 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.



71.7228, 0.2949, 0.3076



71.7228, 0.3372, 0.3451



71.7228, 0.2889, 0.3219

# Square

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



71.7228, 0.3372, 0.3451



71.7228, 0.3063, 0.3443



71.7228, 0.2888, 0.3124



71.7228, 0.3188, 0.3145



# Rectangle

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



71.7228, 0.3372, 0.3451



71.7228, 0.3234, 0.3514



71.7228, 0.2888, 0.3124



71.7228, 0.3018, 0.3075

# Sweetspot

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



71.7260, 0.3372, 0.3451



95.7691, 0.3190, 0.3333



65.3227, 0.3250, 0.3085



20.3316, 0.3202, 0.3342



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

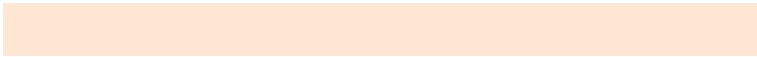


# Same Dimension

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



71.7260, 0.3372, 0.3451



82.9903, 0.3423, 0.3482



80.8352, 0.3347, 0.3625



16.1444, 0.3282, 0.3394



15.5145, 0.5580, 0.3951



1.4070, 0.5341, 0.4141

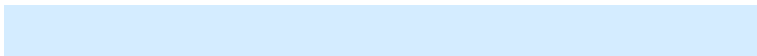


# Inverse Universe

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



70.3722, 0.2902, 0.3124



81.1165, 0.2860, 0.3090



61.9327, 0.2896, 0.2932



15.9486, 0.2981, 0.3184



12.7255, 0.1829, 0.1785

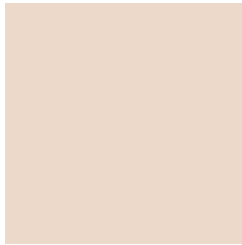


1.1904, 0.1892, 0.2012



# Previews

## White Background



This preview shows how the Yxy color 71.7228, 0.3372, 0.3451 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

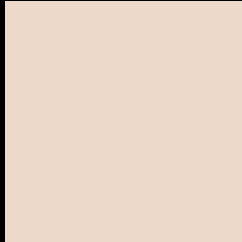
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.7228, 0.3372, 0.3451 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

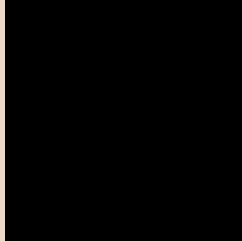
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.7228, 0.3372, 0.3451**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.7228, 0.3372, 0.3451.

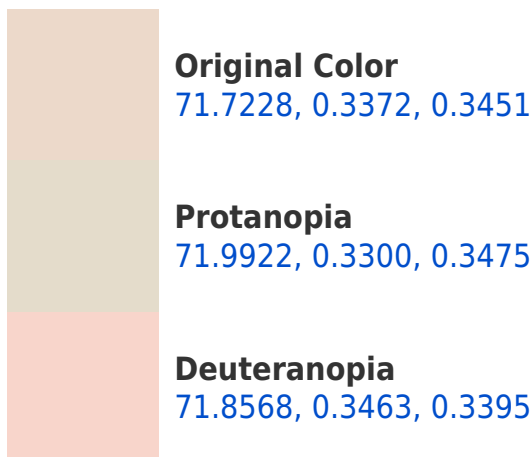


This preview shows how white text looks on a background with the Yxy color 71.7228, 0.3372, 0.3451.

# 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

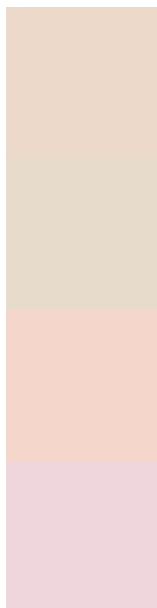




## Tritanopia

71.8269, 0.3209, 0.3114

# Trichromacy



## Original Color

71.7228, 0.3372, 0.3451

## Protanomaly

71.9638, 0.3324, 0.3463

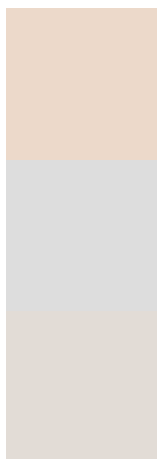
## Deuteranomaly

71.6380, 0.3430, 0.3407

## Tritanomaly

71.6112, 0.3270, 0.3227

# Monochromacy



## Original Color

71.7228, 0.3372, 0.3451

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

72.2102, 0.3210, 0.3355

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.7228, 0.3372, 0.3451 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(236, 217, 202)` looks like.

```
.text, #text, p{  
    color:rgb(236, 217, 202)  
}
```

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(236, 217, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 217, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 71.7228, 0.3372, 0.3451 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(236, 217, 202) }
```

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

```
.border{ border-color:rgb(236, 217, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 217, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 217, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 217, 202);  
box-shadow:4px 4px 4px 4px rgb(236, 217,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.7228, 0.3372, 0.3451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 217, 202) }
```

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

```
.background{ background-color: rgb(236,  
217, 202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor