

# Converting Colors

$Y_{xy}(73.3759, 0.3448, 0.3624)$

Have a look what the booklet for  
Yxy(73.3759, 0.3448, 0.3624)  
contains.

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# Color

**Yxy(73.2635, 0.3449, 0.3624)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECDDBE
RGB	236, 221, 190
RGB Percent	93%, 87%, 75%
CMY	0.0748, 0.1332, 0.2550
CMYK	0.00, 0.06, 0.19, 0.07
HSL	41°, 55%, 84%
HSV	41°, 19%, 93%
XYZ	69.7257, 73.2635, 59.1728
YIQ	221.9510, 18.8910, -6.4610

# Conversions

## Conversions Part 2

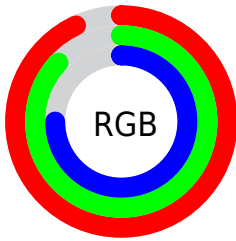
Format	Color
R <sub>Y</sub> B	212, 236, 190
Decimal	15523262
CIE Lab	88.57, 0.20, 17.09
CIE LCh	89, 17.088, 89.343
Yxy	73.2635, 0.3449, 0.3624
Android (android.graphics.Color)	4293713342 (0xFFECDDBE)
YUV	221.9510, -15.7518, 12.3210
Hunter-Lab	85.5941, -4.3821, 18.9276

# Details

The Yxy color **73.2635, 0.3449, 0.3624** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **60.6103, 0.2814, 0.2932**, and the grayscale version is **73.1099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4338, 0.3179, 0.3376**, and **38.7819, 0.3523, 0.3695** is the 20% darker color. If you saturate the color by 10%, you get **68.3659, 0.3637, 0.3803**, and if you desaturate by 10%, it is **78.5189, 0.3276, 0.3449**.

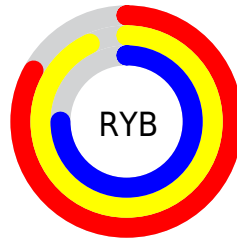
# Distribution



Red (93%)

Green (87%)

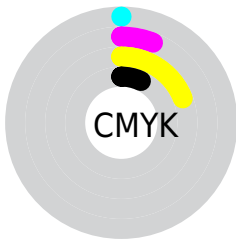
Blue (75%)



Red (83%)

Yellow (93%)

Blue (75%)

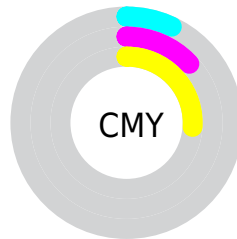


Cyan (0%)

Magenta (6%)

Yellow (19%)

Black (7%)



Cyan (7%)

Magenta (13%)


Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.2635, 0.3449, 0.3624 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 73.2635, 0.3449, 0.3624 by changing the saturation by 10% instead.



 73.2635, 0.3449,  
0.3624

 73.2635, 0.3449,  
0.3624

471.9276, 0.3300,  
0.3470

 54.1914, 0.3483,  
0.3659


 123.8512, 0.3398,  
0.3571

 38.7547, 0.3524,  
0.3702

156.1357, 0.3377,  
0.3550

 26.5690, 0.3577,  
0.3756


193.5930, 0.3360,  
0.3532

 17.2498, 0.3645,  
0.3827

236.6077, 0.3345,  
0.3516

 10.4127, 0.3737,  
0.3922

285.5641, 0.3332,  
0.3503

 5.6735, 0.3867,  
0.4056

340.8466, 0.3320,

 2.6476, 0.4061,

0.3490

0.4256

402.8396, 0.3310,  
0.3480

0.9506, 0.4887,  
0.5113

0.0000, 0.0000,  
0.0000

73.2635, 0.3449,  
0.3624

73.2635, 0.3449,  
0.3624

68.3659, 0.3637,  
0.3803

78.5189, 0.3276,  
0.3449

63.8060, 0.3838,  
0.3980

84.1323, 0.3119,  
0.3281

59.5758, 0.4046,  
0.4147

89.7391, 0.3011,  
0.3180

55.6633, 0.4255,  
0.4294

94.4419, 0.3011,  
0.3257

■ 52.0552, 0.4456,  
0.4408

■ 96.5620, 0.3011,  
0.3290

■ 48.7370, 0.4639,  
0.4480

■ 45.6915, 0.4792,  
0.4502

■ 42.8928, 0.4916,  
0.4476

■ 42.7514, 0.4922,  
0.4474

# Harmonies

## Analogous

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



73.2635, 0.3532, 0.3508



73.2635, 0.3449, 0.3624



73.2635, 0.3280, 0.3651

# Triad

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



73.2635, 0.3449, 0.3624



73.2635, 0.2766, 0.3219



73.2635, 0.3170, 0.3029

# Complementary

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



73.2635, 0.3449, 0.3624



60.6103, 0.2814, 0.2932

# 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.



73.2635, 0.2966, 0.2953



73.2635, 0.3449, 0.3624



73.2635, 0.2738, 0.3054

# Square

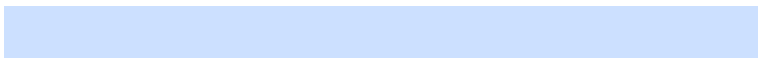
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.2635, 0.3449, 0.3624



73.2635, 0.2887, 0.3411



73.2635, 0.2810, 0.2960



73.2635, 0.3368, 0.3169



# Rectangle

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



73.2635, 0.3449, 0.3624



73.2635, 0.3144, 0.3610



73.2635, 0.2810, 0.2960



73.2635, 0.3100, 0.2996

# Sweetspot

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



73.2668, 0.3449, 0.3624



95.9270, 0.3220, 0.3390



59.0655, 0.3387, 0.3124



20.4395, 0.3231, 0.3401



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

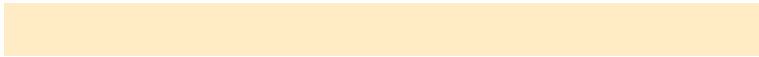


# Same Dimension

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



73.2668, 0.3449, 0.3624



85.2356, 0.3515, 0.3689



80.2110, 0.3366, 0.3784



16.7552, 0.3276, 0.3449



23.8246, 0.4907, 0.4486



2.0443, 0.4784, 0.4584



# Inverse Universe

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



60.6103, 0.2814, 0.2932



67.7969, 0.2751, 0.2856



54.8311, 0.2859, 0.2763



15.3470, 0.2980, 0.3126



6.4397, 0.1628, 0.1059

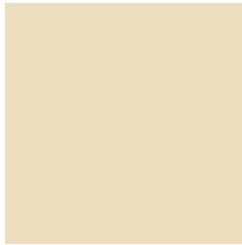


0.6747, 0.1704, 0.1335



# Previews

## White Background



This preview shows how the Yxy color 73.2635, 0.3449, 0.3624 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 73.2635, 0.3449, 0.3624 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

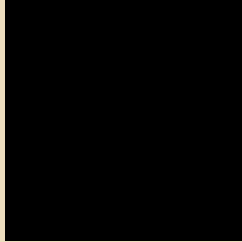
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

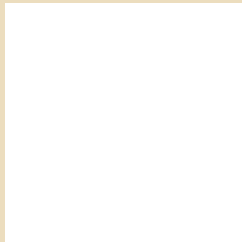
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.2635, 0.3449, 0.3624**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.2635, 0.3449, 0.3624.

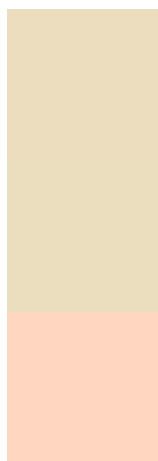


This preview shows how white text looks on a background with the Yxy color 73.2635, 0.3449, 0.3624.

# 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

73.2635, 0.3449, 0.3624

### Protanopia

73.4527, 0.3432, 0.3636

### Deuteranopia

73.1147, 0.3604, 0.3527



## Tritanopia

73.1278, 0.3201, 0.3115

# Trichromacy



## Original Color

73.2635, 0.3449, 0.3624

## Protanomaly

73.6224, 0.3440, 0.3635

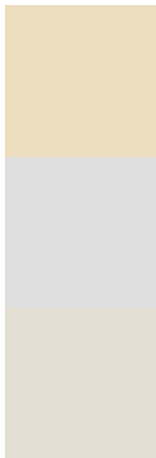
## Deuteranomaly

73.3438, 0.3542, 0.3563

## Tritanomaly

72.9862, 0.3288, 0.3290

# Monochromacy



## Original Color

73.2635, 0.3449, 0.3624

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

73.2266, 0.3243, 0.3420

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.2635, 0.3449, 0.3624 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, 221, 190)` looks like.

```
.text, #text, p{  
    color:rgb(236, 221, 190)  
}
```

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, 221, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 221, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 73.2635, 0.3449, 0.3624 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, 221, 190) }
```

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

```
.border{ border-color:rgb(236, 221, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 221, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 221, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 221, 190); box-shadow:4px 4px 4px 4px rgb(236, 221, 190) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.2635, 0.3449, 0.3624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 221, 190) }
```

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

```
.background{ background-color: rgb(236,  
221, 190) }
```

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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