

# Converting Colors

$Y_{xy}(74.6026, 0.3455, 0.3638)$

Have a look what the booklet for  
Yxy(74.6026, 0.3455, 0.3638)  
contains.

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# Color

**Yxy(74.6702, 0.3461, 0.3642)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEDFBE
RGB	238, 223, 190
RGB Percent	93%, 87%, 75%
CMY	0.0664, 0.1256, 0.2548
CMYK	0.00, 0.06, 0.20, 0.07
HSL	41°, 59%, 84%
HSV	41°, 20%, 93%
XYZ	70.9592, 74.6702, 59.3958
YIQ	223.7230, 19.5330, -7.0830

# Conversions

## Conversions Part 2

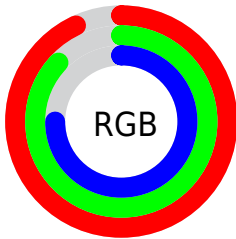
Format	Color
R <sub>Y</sub> B	212, 238, 190
Decimal	15654846
CIE Lab	89.24, -0.03, 18.03
CIE LCh	89, 18.029, 90.085
Yxy	74.6702, 0.3461, 0.3642
Android (android.graphics.Color)	4293844926 (0xFFEEDFBE)
YUV	223.7230, -16.6254, 12.5209
Hunter-Lab	86.4119, -4.6413, 19.7350

# Details

The Yxy color **74.6702, 0.3461, 0.3642** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **60.8353, 0.2801, 0.2911**, and the grayscale version is **74.4516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4338, 0.3179, 0.3376**, and **39.7565, 0.3536, 0.3719** is the 20% darker color. If you saturate the color by 10%, you get **69.8111, 0.3649, 0.3824**, and if you desaturate by 10%, it is **79.8823, 0.3288, 0.3464**.

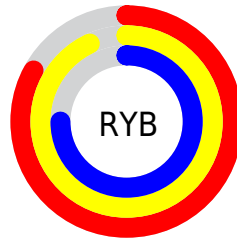
# Distribution



Red (93%)

Green (87%)

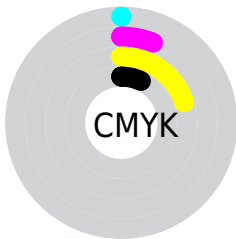
Blue (75%)



Red (83%)

Yellow (93%)

Blue (75%)

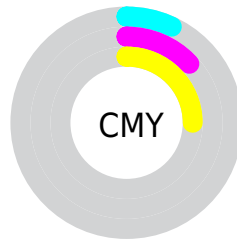


Cyan (0%)

Magenta (6%)

Yellow (20%)

Black (7%)



Cyan (7%)

Magenta (13%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.6702, 0.3461, 0.3642 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 74.6702, 0.3461, 0.3642 by changing the saturation by 10% instead.




 74.6702, 0.3461,  
0.3642

 74.6702, 0.3461,  
0.3642


476.7832, 0.3307,  
0.3480

 55.3427, 0.3496,  
0.3679


 125.8454, 0.3408,  
0.3586

 39.6762, 0.3538,  
0.3724


158.4619, 0.3387,  
0.3564

 27.2862, 0.3592,  
0.3780


196.2770, 0.3369,  
0.3545

 17.7883, 0.3662,  
0.3854

239.6749, 0.3354,  
0.3529

 10.7981, 0.3755,  
0.3952

289.0401, 0.3340,  
0.3515

 5.9312, 0.3886,  
0.4090

344.7569, 0.3328,

 2.8033, 0.4079,

0.3502

0.4294

407.2099, 0.3317,  
0.3490

■ 1.0299, 0.4871,  
0.5129

■ 0.0000, 0.0000,  
0.0000

■ 74.6702, 0.3461,  
0.3642

■ 74.6702, 0.3461,  
0.3642

■ 69.8111, 0.3649,  
0.3824

■ 79.8823, 0.3288,  
0.3464

■ 65.2844, 0.3848,  
0.4003

■ 85.4472, 0.3130,  
0.3293

■ 61.0822, 0.4054,  
0.4171

■ 90.9561, 0.3025,  
0.3195

■ 57.1925, 0.4260,  
0.4318

■ 95.5790, 0.3024,  
0.3269

■ 53.6019, 0.4456,  
0.4431

■ 96.9285, 0.3024,  
0.3290

■ 50.2955, 0.4631,  
0.4501

■ 47.2559, 0.4778,  
0.4521

■ 44.5045, 0.4894,  
0.4496

# Harmonies

## Analogous

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



74.6702, 0.3551, 0.3522



74.6702, 0.3461, 0.3642



74.6702, 0.3282, 0.3668

# Triad

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



74.6702, 0.3461, 0.3642



74.6702, 0.2747, 0.3210



74.6702, 0.3178, 0.3020

# Complementary

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



74.6702, 0.3461, 0.3642



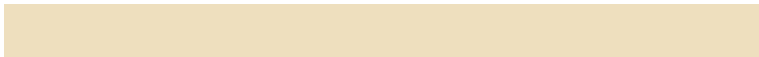
60.8353, 0.2801, 0.2911

# Split Complementary

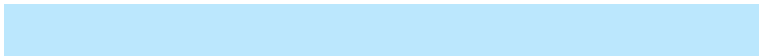
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.6702, 0.2963, 0.2939



74.6702, 0.3461, 0.3642



74.6702, 0.2720, 0.3039

# Square

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



74.6702, 0.3461, 0.3642



74.6702, 0.2871, 0.3412



74.6702, 0.2798, 0.2943



74.6702, 0.3384, 0.3168



# Rectangle

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



74.6702, 0.3461, 0.3642



74.6702, 0.3139, 0.3624



74.6702, 0.2798, 0.2943



74.6702, 0.3104, 0.2984

# Sweetspot

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



74.6735, 0.3461, 0.3642



96.0276, 0.3220, 0.3392



59.4410, 0.3405, 0.3126



20.4633, 0.3231, 0.3403



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

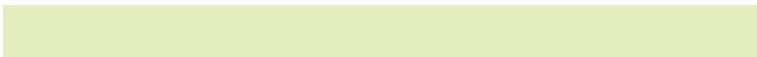
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.6735, 0.3461, 0.3642



85.0165, 0.3533, 0.3713



81.6059, 0.3369, 0.3803



17.5733, 0.3276, 0.3451



25.0555, 0.4880, 0.4507



2.2615, 0.4767, 0.4597



# Inverse Universe

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



60.8353, 0.2801, 0.2911



66.2561, 0.2733, 0.2828



55.1286, 0.2853, 0.2742



16.0383, 0.2980, 0.3123



6.4327, 0.1620, 0.1031

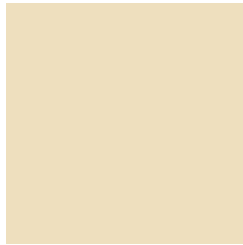


0.7065, 0.1692, 0.1291



# Previews

## White Background



This preview shows how the Yxy color 74.6702, 0.3461, 0.3642 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 74.6702, 0.3461, 0.3642 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

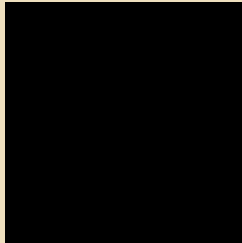
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

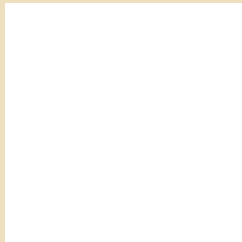
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.6702, 0.3461, 0.3642**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.6702, 0.3461, 0.3642.



This preview shows how white text looks on a background with the Yxy color 74.6702, 0.3461, 0.3642.

# 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

74.6702, 0.3461, 0.3642

### Protanopia

74.8619, 0.3444, 0.3654

### Deuteranopia

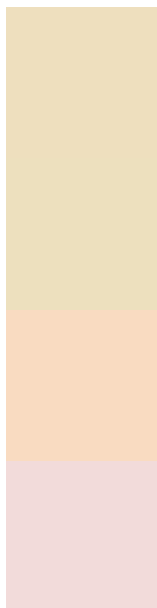
74.2668, 0.3577, 0.3517



## Tritanopia

74.7993, 0.3207, 0.3117

# Trichromacy



## Original Color

74.6702, 0.3461, 0.3642

## Protanomaly

75.0335, 0.3451, 0.3654

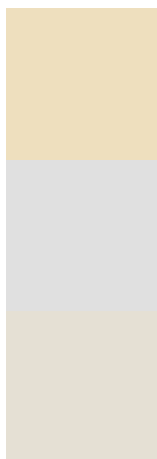
## Deuteranomaly

74.6530, 0.3531, 0.3561

## Tritanomaly

74.6022, 0.3301, 0.3301

# Monochromacy



## Original Color

74.6702, 0.3461, 0.3642

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

74.7228, 0.3242, 0.3419

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.6702, 0.3461, 0.3642 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(238, 223, 190)` looks like.

```
.text, #text, p{  
    color:rgb(238, 223, 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(238, 223, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 223, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 74.6702, 0.3461, 0.3642 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(238, 223, 190) }
```

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

```
.border{ border-color:rgb(238, 223, 190) }
```

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

Here you see how a box with a 4 pixel rgb(238, 223, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 223, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 223, 190);  
box-shadow:4px 4px 4px 4px rgb(238, 223,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.6702, 0.3461, 0.3642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 223, 190) }
```

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

```
.background{ background-color: rgb(238,  
223, 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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