

# Converting Colors

$Y_{xy}(74.3235, 0.3663, 0.3881)$

Have a look what the booklet for  
Yxy(74.3235, 0.3663, 0.3881)  
contains.

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# Color

**Yxy(74.0873, 0.3662, 0.3873)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3DEA7
RGB	243, 222, 167
RGB Percent	95%, 87%, 65%
CMY	0.0471, 0.1294, 0.3452
CMYK	0.00, 0.09, 0.31, 0.05
HSL	43°, 76%, 80%
HSV	43°, 31%, 95%
XYZ	70.0510, 74.0873, 47.1534
YIQ	222.0090, 30.1710, -12.6530

# Conversions

## Conversions Part 2

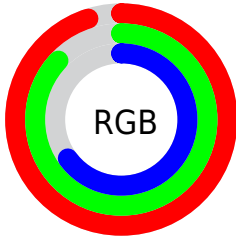
Format	Color
R <sub>Y</sub> B	196, 243, 167
Decimal	15982247
CIE Lab	88.96, -0.79, 29.66
CIE LCh	89, 29.668, 91.520
Yxy	74.0873, 0.3662, 0.3873
Android (android.graphics.Color)	4294172327 (0xFFF3DEA7)
YUV	222.0090, -27.1194, 18.4091
Hunter-Lab	86.0740, -5.3578, 27.7713

# Details

The Yxy color **74.0873, 0.3662, 0.3873** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.6221, 0.2600, 0.2628**, and the grayscale version is **73.2318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **39.3143, 0.3780, 0.3998** is the 20% darker color. If you saturate the color by 10%, you get **69.7850, 0.3855, 0.4060**, and if you desaturate by 10%, it is **78.7068, 0.3477, 0.3682**.

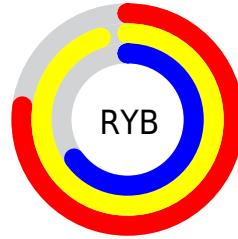
# Distribution



Red (95%)

Green (87%)

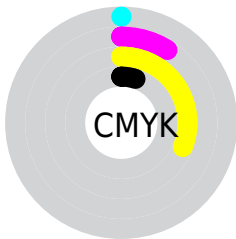
Blue (65%)



Red (77%)

Yellow (95%)

Blue (65%)

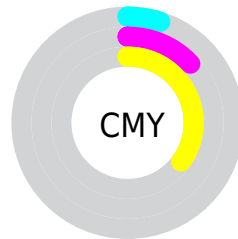


Cyan (0%)

Magenta (9%)

Yellow (31%)

Black (5%)



Cyan (5%)

Magenta (13%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.0873, 0.3662, 0.3873 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 74.0873, 0.3662, 0.3873 by changing the saturation by 10% instead.





 74.0873, 0.3662,  
0.3873


 74.0873, 0.3662,  
0.3873


474.7746, 0.3418,  
0.3606

 54.8655, 0.3716,  
0.3933


 125.0196, 0.3578,  
0.3781

 39.2940, 0.3782,  
0.4005


 157.4988, 0.3545,  
0.3745

 26.9886, 0.3864,  
0.4096


195.1660, 0.3517,  
0.3714

 17.5646, 0.3968,  
0.4210

238.4055, 0.3492,  
0.3687

 10.6379, 0.4102,  
0.4359

287.6017, 0.3470,  
0.3663

 5.8239, 0.4277,  
0.4555

343.1390, 0.3451,

 2.7383, 0.4648,

0.3642

0.4967

405.4019, 0.3433,  
0.3623

0.9967, 0.4818,  
0.5182

0.0000, 0.0000,  
0.0000

74.0873, 0.3662,  
0.3873

74.0873, 0.3662,  
0.3873

69.7850, 0.3855,  
0.4060

78.7068, 0.3477,  
0.3682

65.7785, 0.4052,  
0.4234

83.6435, 0.3305,  
0.3494

62.0592, 0.4244,  
0.4384

88.9107, 0.3146,  
0.3313

58.6138, 0.4423,  
0.4500

93.9129, 0.3055,  
0.3230

■ 55.4271, 0.4579,  
0.4571

■ 97.7910, 0.3053,  
0.3290

■ 52.4814, 0.4706,  
0.4593

■ 50.0861, 0.4794,  
0.4576

# Harmonies

## Analogous

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



74.0873, 0.3825, 0.3670



74.0873, 0.3662, 0.3873



74.0873, 0.3358, 0.3923

# Triad

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



74.0873, 0.3662, 0.3873



74.0873, 0.2505, 0.3132



74.0873, 0.3223, 0.2866

# Complementary

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



74.0873, 0.3662, 0.3873



50.6221, 0.2600, 0.2628

# 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.



74.0873, 0.2870, 0.2729



74.0873, 0.3662, 0.3873



74.0873, 0.2473, 0.2862

# Square

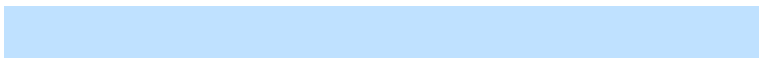
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.0873, 0.3662, 0.3873



74.0873, 0.2694, 0.3474



74.0873, 0.2602, 0.2723



74.0873, 0.3566, 0.3101

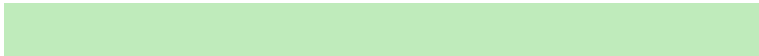


# Rectangle

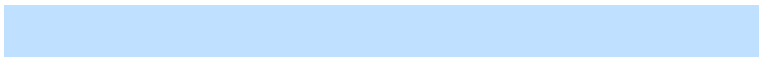
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.0873, 0.3662, 0.3873



74.0873, 0.3121, 0.3846



74.0873, 0.2602, 0.2723



74.0873, 0.3101, 0.2808

# Sweetspot

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



74.0907, 0.3662, 0.3873



94.6365, 0.3268, 0.3452



50.3314, 0.3638, 0.3057



20.0766, 0.3292, 0.3479



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.



74.0907, 0.3662, 0.3873



79.3691, 0.3793, 0.4001



83.1295, 0.3483, 0.4104



18.4955, 0.3275, 0.3461



27.7317, 0.4782, 0.4585



2.6088, 0.4691, 0.4657



# Inverse Universe

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



50.6221, 0.2600, 0.2628



49.1249, 0.2473, 0.2455



44.2189, 0.2689, 0.2396



16.6706, 0.2979, 0.3113



5.9494, 0.1595, 0.0942

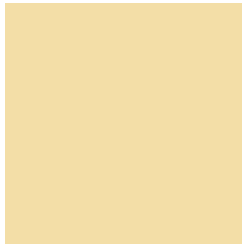


0.6880, 0.1661, 0.1180



# Previews

## White Background



This preview shows how the Yxy color 74.0873, 0.3662, 0.3873 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 74.0873, 0.3662, 0.3873 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 74.0873, 0.3662, 0.3873**

## Background



This preview shows how black text looks on a background with the Yxy color 74.0873, 0.3662, 0.3873.



This preview shows how white text looks on a background with the Yxy color 74.0873, 0.3662, 0.3873.

# 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

74.0873, 0.3662, 0.3873

### Protanopia

73.9532, 0.3621, 0.3878

### Deuteranopia

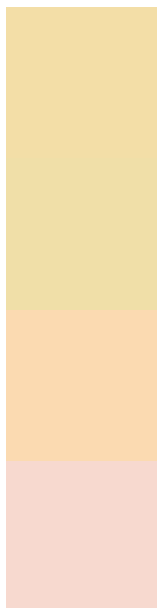
73.7906, 0.3658, 0.3630



## Tritanopia

74.1303, 0.3281, 0.3128

# Trichromacy



## Original Color

74.0873, 0.3662, 0.3873

## Protanomaly

74.1278, 0.3629, 0.3877

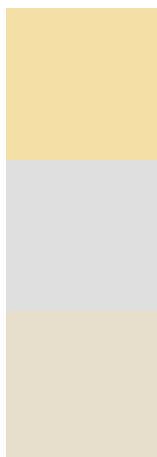
## Deuteranomaly

73.8264, 0.3665, 0.3717

## Tritanomaly

73.9049, 0.3419, 0.3395

# Monochromacy



## Original Color

74.0873, 0.3662, 0.3873

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

73.3298, 0.3319, 0.3507

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.0873, 0.3662, 0.3873 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(243, 222, 167)` looks like.

```
.text, #text, p{  
    color:rgb(243, 222, 167)  
}
```

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(243, 222, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 222, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 74.0873, 0.3662, 0.3873 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(243, 222, 167) }
```

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

```
.border{ border-color:rgb(243, 222, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 222, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(243, 222, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(243, 222, 167); box-shadow:4px 4px 4px 4px rgb(243, 222, 167) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.0873, 0.3662, 0.3873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 222, 167) }
```

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

```
.background{ background-color: rgb(243,  
222, 167) }
```

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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