

# Converting Colors

$Y_{xy}(74.2365, 0.3657, 0.3829)$

Have a look what the booklet for  
Yxy(74.2365, 0.3657, 0.3829)  
contains.

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# Color

**Yxy(74.0277, 0.3659, 0.3828)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5DDAA
RGB	245, 221, 170
RGB Percent	96%, 87%, 67%
CMY	0.0394, 0.1333, 0.3333
CMYK	0.00, 0.10, 0.31, 0.04
HSL	41°, 79%, 81%
HSV	41°, 31%, 96%
XYZ	70.7595, 74.0277, 48.5976
YIQ	222.3620, 30.6750, -10.7730

# Conversions

## Conversions Part 2

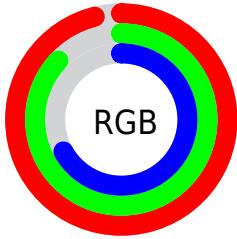
Format	Color
R <sub>Y</sub> B	205, 245, 170
Decimal	16113066
CIE Lab	88.94, 0.85, 28.08
CIE LCh	89, 28.092, 88.262
Yxy	74.0277, 0.3659, 0.3828
Android (android.graphics.Color)	4294303146 (0xFFF5DDAA)
YUV	222.3620, -25.8145, 19.8535
Hunter-Lab	86.0394, -3.7689, 26.7388

# Details

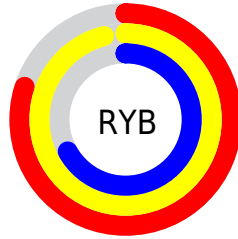
The Yxy color **74.0277, 0.3659, 0.3828** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.7045, 0.2617, 0.2685**, and the grayscale version is **73.4860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **39.2482, 0.3787, 0.3954** is the 20% darker color. If you saturate the color by 10%, you get **69.1513, 0.3860, 0.4006**, and if you desaturate by 10%, it is **79.2763, 0.3470, 0.3647**.

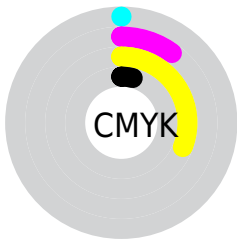
# Distribution



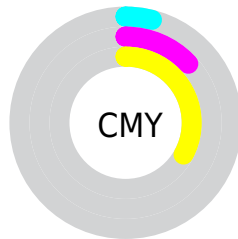
- Red (96%)
- Green (87%)
- Blue (67%)



- Red (80%)
- Yellow (96%)
- Blue (67%)



- Cyan (0%)
- Magenta (10%)
- Yellow (31%)
- Black (4%)




- Cyan (4%)
- Magenta (13%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.0277, 0.3659, 0.3828 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 74.0277, 0.3659, 0.3828 by changing the saturation by 10% instead.





 74.0277, 0.3659,  
0.3828

 74.0277, 0.3659,  
0.3828


474.5690, 0.3415,  
0.3582

 54.8167, 0.3714,  
0.3883


 124.9351, 0.3575,  
0.3744

 39.2550, 0.3780,  
0.3949


157.4002, 0.3542,  
0.3711

 26.9582, 0.3863,  
0.4032


195.0523, 0.3514,  
0.3682

 17.5418, 0.3968,  
0.4137

238.2755, 0.3489,  
0.3657

 10.6215, 0.4106,  
0.4274

287.4545, 0.3467,  
0.3635

 5.8130, 0.4289,  
0.4454

342.9734, 0.3448,

 2.7317, 0.4640,

0.3616

0.4799

405.2168, 0.3431,  
0.3598

0.9933, 0.4932,  
0.5068

0.0000, 0.0000,  
0.0000

74.0277, 0.3659,  
0.3828

74.0277, 0.3659,  
0.3828

69.1513, 0.3860,  
0.4006

79.2763, 0.3470,  
0.3647

64.6247, 0.4068,  
0.4172

84.8983, 0.3295,  
0.3470

60.4381, 0.4276,  
0.4317

90.9078, 0.3136,  
0.3300

56.5771, 0.4473,  
0.4427

96.4491, 0.3066,  
0.3264

■ 53.0252, 0.4651,  
0.4494

■ 98.1455, 0.3065,  
0.3290

■ 49.7637, 0.4799,  
0.4510

■ 46.9334, 0.4910,  
0.4483

# Harmonies

## Analogous

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



74.0277, 0.3794, 0.3625



74.0277, 0.3659, 0.3828



74.0277, 0.3382, 0.3892

# Triad

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



74.0277, 0.3659, 0.3828



74.0277, 0.2549, 0.3175



74.0277, 0.3181, 0.2868

# Complementary

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



74.0277, 0.3659, 0.3828



53.7045, 0.2617, 0.2685

# Split Complementary

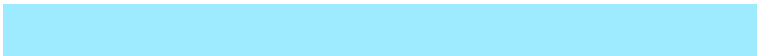
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.0277, 0.2851, 0.2750



74.0277, 0.3659, 0.3828



74.0277, 0.2501, 0.2907

# Square

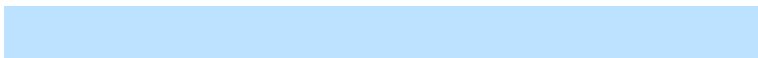
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.0277, 0.3659, 0.3828



74.0277, 0.2744, 0.3499



74.0277, 0.2608, 0.2760



74.0277, 0.3511, 0.3084



# Rectangle

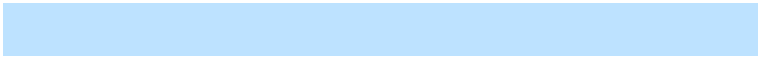
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.0277, 0.3659, 0.3828



74.0277, 0.3159, 0.3833



74.0277, 0.2608, 0.2760



74.0277, 0.3066, 0.2816

# Sweetspot

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



74.0311, 0.3659, 0.3828



94.0198, 0.3269, 0.3442



52.1019, 0.3589, 0.3022



19.9242, 0.3293, 0.3468



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.



74.0311, 0.3659, 0.3828



77.5940, 0.3788, 0.3944



85.4190, 0.3502, 0.4079



18.3686, 0.3276, 0.3450



25.5538, 0.4896, 0.4495



2.4308, 0.4786, 0.4582



# Inverse Universe

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



53.7045, 0.2617, 0.2685



51.9321, 0.2499, 0.2532



45.3536, 0.2673, 0.2411



16.7909, 0.2980, 0.3124



6.7282, 0.1623, 0.1043



0.7691, 0.1692, 0.1290



# Previews

## White Background



This preview shows how the Yxy color 74.0277, 0.3659, 0.3828 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

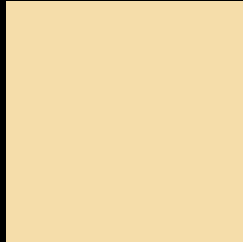
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.0277, 0.3659, 0.3828 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

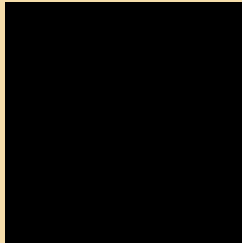
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.0277, 0.3659, 0.3828**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.0277, 0.3659, 0.3828.



This preview shows how white text looks on a background with the Yxy color 74.0277, 0.3659, 0.3828.

# 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

74.0277, 0.3659, 0.3828

### Protanopia

74.0663, 0.3600, 0.3846

### Deuteranopia

73.7906, 0.3658, 0.3630



## Tritanopia

73.9971, 0.3297, 0.3119

# Trichromacy



**Original Color**

74.0277, 0.3659, 0.3828

**Protanomaly**

73.8836, 0.3619, 0.3833

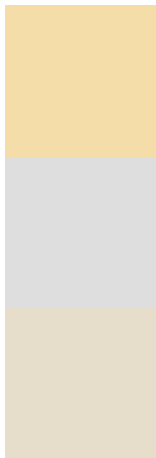
**Deuteranomaly**

73.8664, 0.3657, 0.3706

**Tritanomaly**

73.8055, 0.3428, 0.3373

# Monochromacy



**Original Color**

74.0277, 0.3659, 0.3828

**Achromatopsia**

73.0461, 0.3127, 0.3290

**Achromatomaly**

73.3773, 0.3313, 0.3496

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.0277, 0.3659, 0.3828 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(245, 221, 170)` looks like.

```
.text, #text, p{  
    color:rgb(245, 221, 170)  
}
```

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(245, 221, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 221, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 74.0277, 0.3659, 0.3828 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(245, 221, 170) }
```

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

```
.border{ border-color:rgb(245, 221, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 221, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 221, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 221, 170);  
box-shadow:4px 4px 4px 4px rgb(245, 221,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.0277, 0.3659, 0.3828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 221, 170) }
```

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

```
.background{ background-color: rgb(245,  
221, 170) }
```

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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