

# Converting Colors

$Yxy(74.5341, 0.3760, 0.3986)$

Have a look what the booklet for  
Yxy(74.5341, 0.3760, 0.3986)  
contains.

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# Color

**Yxy(74.7685, 0.3758, 0.3991)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6DF9C
RGB	246, 223, 156
RGB Percent	96%, 87%, 61%
CMY	0.0352, 0.1255, 0.3883
CMYK	0.00, 0.09, 0.37, 0.04
HSL	45°, 83%, 79%
HSV	45°, 37%, 96%
XYZ	70.4034, 74.7685, 42.1709
YIQ	222.2390, 35.2150, -15.9610

# Conversions

## Conversions Part 2

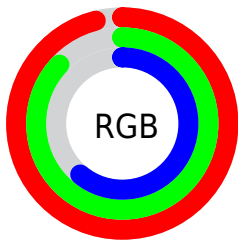
Format	Color
R <sub>Y</sub> B	187, 246, 156
Decimal	16179100
CIE Lab	89.28, -1.41, 35.74
CIE LCh	89, 35.767, 92.264
Yxy	74.7685, 0.3758, 0.3991
Android (android.graphics.Color)	4294369180 (0xFFFF6DF9C)
YUV	222.2390, -32.6558, 20.8384
Hunter-Lab	86.4688, -5.9846, 31.6124

# Details

The Yxy color **74.7685, 0.3758, 0.3991** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.9788, 0.2497, 0.2471**, and the grayscale version is **73.4457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **39.6961, 0.3890, 0.4147** is the 20% darker color. If you saturate the color by 10%, you get **70.7191, 0.3949, 0.4176**, and if you desaturate by 10%, it is **79.1187, 0.3571, 0.3797**.

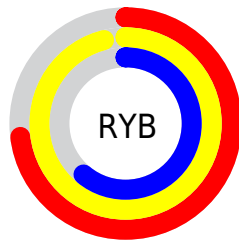
# Distribution



Red (96%)

Green (87%)

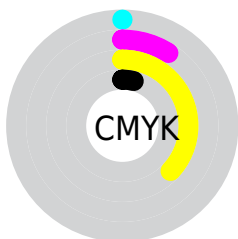
Blue (61%)



Red (73%)

Yellow (96%)

Blue (61%)

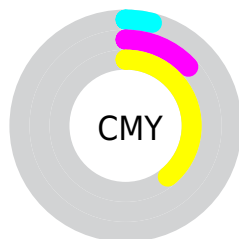


Cyan (0%)

Magenta (9%)

Yellow (37%)

Black (4%)



Cyan (4%)

Magenta (13%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.7685, 0.3758, 0.3991 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 74.7685, 0.3758, 0.3991 by changing the saturation by 10% instead.




 74.7685, 0.3758,  
0.3991

 74.7685, 0.3758,  
0.3991

477.1215, 0.3473,  
0.3672

 55.4233, 0.3820,  
0.4061


 125.9846, 0.3661,  
0.3882

 39.7407, 0.3896,  
0.4146


 158.6243, 0.3623,  
0.3839

 27.3364, 0.3988,  
0.4251


196.4642, 0.3589,  
0.3802

 17.8261, 0.4102,  
0.4381

239.8888, 0.3560,  
0.3770

 10.8252, 0.4245,  
0.4546

289.2824, 0.3534,  
0.3741

 5.9494, 0.4421,  
0.4754

345.0294, 0.3512,

 2.8143, 0.4803,

0.3715

0.5197

407.5144, 0.3491,  
0.3693

■ 1.0356, 0.4775,  
0.5225

■ 0.0000, 0.0000,  
0.0000

■ 74.7685, 0.3758,  
0.3991

■ 74.7685, 0.3758,  
0.3991

■ 70.7191, 0.3949,  
0.4176

■ 79.1187, 0.3571,  
0.3797

■ 66.9485, 0.4139,  
0.4343

■ 83.7702, 0.3394,  
0.3601

■ 63.4476, 0.4318,  
0.4479

■ 88.7362, 0.3229,  
0.3411

■ 60.2020, 0.4478,  
0.4575

■ 94.0263, 0.3077,  
0.3229

■ 57.1952, 0.4611,  
0.4624

■ 98.0049, 0.3072,  
0.3285

■ 54.4069, 0.4713,  
0.4623

■ 98.3393, 0.3072,  
0.3290

■ 53.4972, 0.4743,  
0.4616

# Harmonies

## Analogous

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



74.7685, 0.3964, 0.3743



74.7685, 0.3758, 0.3991



74.7685, 0.3388, 0.4056

# Triad

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



74.7685, 0.3758, 0.3991



74.7685, 0.2383, 0.3084



74.7685, 0.3250, 0.2793

# Complementary

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



74.7685, 0.3758, 0.3991



45.9788, 0.2497, 0.2471

# 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.



74.7685, 0.2827, 0.2629



74.7685, 0.3758, 0.3991



74.7685, 0.2352, 0.2768

# Square

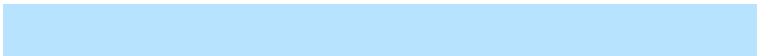
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.7685, 0.3758, 0.3991



74.7685, 0.2601, 0.3499



74.7685, 0.2507, 0.2614



74.7685, 0.3664, 0.3071



# Rectangle

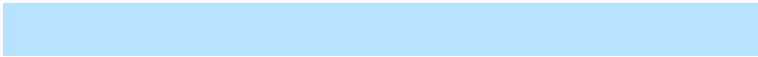
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.7685, 0.3758, 0.3991



74.7685, 0.3104, 0.3962



74.7685, 0.2507, 0.2614



74.7685, 0.3104, 0.2724

# Sweetspot

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



74.7719, 0.3758, 0.3991



93.8287, 0.3300, 0.3494



46.6705, 0.3777, 0.3032



19.9267, 0.3322, 0.3520



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.



74.7719, 0.3758, 0.3991



77.7865, 0.3901, 0.4131



84.3454, 0.3529, 0.4251



18.5536, 0.3275, 0.3465



28.7827, 0.4732, 0.4625



2.6939, 0.4649, 0.4690



# Inverse Universe

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



45.9788, 0.2497, 0.2471



42.3615, 0.2355, 0.2267



39.7794, 0.2609, 0.2224



16.6159, 0.2979, 0.3109



5.6358, 0.1583, 0.0899



0.6540, 0.1648, 0.1133



# Previews

## White Background



This preview shows how the Yxy color 74.7685, 0.3758, 0.3991 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

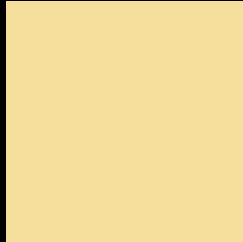
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.7685, 0.3758, 0.3991 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

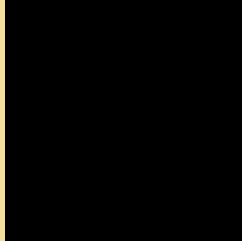
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.7685, 0.3758, 0.3991**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.7685, 0.3758, 0.3991.



This preview shows how white text looks on a background with the Yxy color 74.7685, 0.3758, 0.3991.

# 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

74.7685, 0.3758, 0.3991

### Protanopia

74.6229, 0.3716, 0.3998

### Deuteranopia

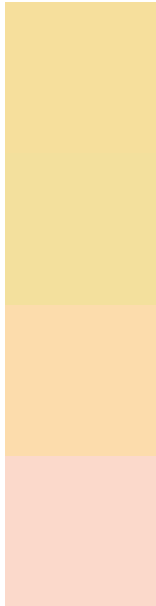
74.7390, 0.3667, 0.3671



## Tritanopia

74.3725, 0.3312, 0.3120

# Trichromacy



**Original Color**

74.7685, 0.3758, 0.3991

**Protanomaly**

74.8003, 0.3724, 0.3996

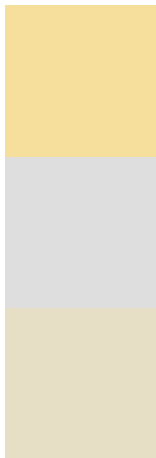
**Deuteranomaly**

74.8604, 0.3702, 0.3787

**Tritanomaly**

74.4467, 0.3478, 0.3435

# Monochromacy



**Original Color**

74.7685, 0.3758, 0.3991

**Achromatopsia**

73.0461, 0.3127, 0.3290

**Achromatomaly**

73.3087, 0.3354, 0.3550

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.7685, 0.3758, 0.3991 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(246, 223, 156)` looks like.

```
.text, #text, p{  
    color:rgb(246, 223, 156)  
}
```

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(246, 223, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 223, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 74.7685, 0.3758, 0.3991 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(246, 223, 156) }
```

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

```
.border{ border-color:rgb(246, 223, 156) }
```

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

Here you see how a box with a 4 pixel rgb(246, 223, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 223, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 223, 156);  
box-shadow:4px 4px 4px 4px rgb(246, 223,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.7685, 0.3758, 0.3991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 223, 156) }
```

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

```
.background{ background-color: rgb(246,  
223, 156) }
```

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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