

# Converting Colors

$Yxy(69.7309, 0.3834, 0.4023)$

Have a look what the booklet for  
Yxy(69.7309, 0.3834, 0.4023)  
contains.

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# Color

**Yxy(69.7309, 0.3834, 0.4023)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3D792
RGB	243, 215, 146
RGB Percent	95%, 84%, 57%
CMY	0.0470, 0.1569, 0.4275
CMYK	0.00, 0.12, 0.40, 0.05
HSL	43°, 80%, 76%
HSV	43°, 40%, 95%
XYZ	66.4550, 69.7309, 37.1447
YIQ	215.5060, 38.8370, -15.5230

# Conversions

## Conversions Part 2

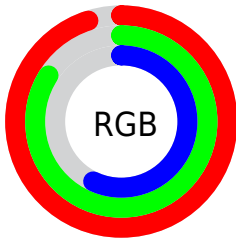
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	185, 243, 146
Decimal	15980434
CIE Lab	86.86, 0.40, 37.61
CIE LCh	87, 37.608, 89.396
Yxy	69.7309, 0.3834, 0.4023
Android (android.graphics.Color)	4294170514 (0xFFFF3D792)
YUV	215.5060, -34.2665, 24.1122
Hunter-Lab	83.5050, -4.0800, 32.0801

# Details

The Yxy color **69.7309, 0.3834, 0.4023** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **42.8564, 0.2441, 0.2424**, and the grayscale version is **68.5358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9970, 0.3448, 0.3820**, and **36.2641, 0.3994, 0.4186** is the 20% darker color. If you saturate the color by 10%, you get **65.5589, 0.4034, 0.4197**, and if you desaturate by 10%, it is **74.2234, 0.3639, 0.3838**.

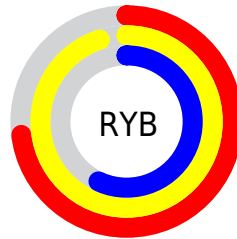
# Distribution



Red (95%)

Green (84%)

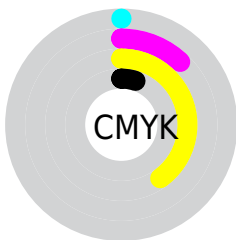
Blue (57%)



Red (73%)

Yellow (95%)

Blue (57%)

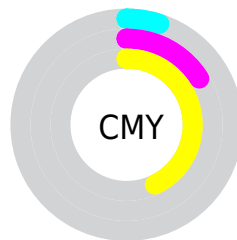


Cyan (0%)

Magenta (12%)

Yellow (40%)

Black (5%)



Cyan (5%)

Magenta (16%)


Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.7309, 0.3834, 0.4023 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 69.7309, 0.3834, 0.4023 by changing the saturation by 10% instead.





 69.7309, 0.3834,  
0.4023


 69.7309, 0.3834,  
0.4023


459.6046, 0.3510,  
0.3688

 51.3072, 0.3905,  
0.4097


 118.8249, 0.3723,  
0.3909

 36.4531, 0.3992,  
0.4186


 150.2640, 0.3680,  
0.3864

 24.7844, 0.4097,  
0.4294


186.8104, 0.3642,  
0.3825

 15.9165, 0.4228,  
0.4429

228.8483, 0.3609,  
0.3790

 9.4651, 0.4391,  
0.4595

276.7624, 0.3580,  
0.3760

 5.0458, 0.4605,  
0.4814

330.9368, 0.3554,

 2.2741, 0.4894,

0.3733

0.5106

391.7561, 0.3531,  
0.3710

■ 0.7600, 0.4906,  
0.5094

■ 0.0000, 0.0000,  
0.0000

■ 69.7309, 0.3834,  
0.4023

■ 69.7309, 0.3834,  
0.4023

■ 65.5589, 0.4034,  
0.4197

■ 74.2234, 0.3639,  
0.3838

■ 61.6856, 0.4231,  
0.4349

■ 79.0379, 0.3454,  
0.3650

■ 58.1008, 0.4418,  
0.4467

■ 84.1882, 0.3283,  
0.3466

■ 54.7893, 0.4583,  
0.4543

■ 89.6841, 0.3126,  
0.3289

■ 51.7336, 0.4720,  
0.4569

■ 94.7037, 0.3055,  
0.3242

■ 48.9058, 0.4827,  
0.4549

■ 97.7981, 0.3054,  
0.3290

■ 48.8860, 0.4828,  
0.4549

# Harmonies

## Analogous

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



69.7309, 0.4035, 0.3740



69.7309, 0.3834, 0.4023



69.7309, 0.3448, 0.4121

# Triad

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



69.7309, 0.3834, 0.4023



69.7309, 0.2344, 0.3105



69.7309, 0.3213, 0.2736

# Complementary

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



69.7309, 0.3834, 0.4023



42.8564, 0.2441, 0.2424

# 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.



69.7309, 0.2765, 0.2574



69.7309, 0.3834, 0.4023



69.7309, 0.2292, 0.2753

# Square

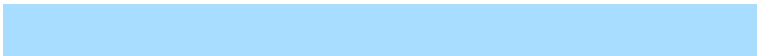
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.7309, 0.3834, 0.4023



69.7309, 0.2593, 0.3559



69.7309, 0.2439, 0.2573



69.7309, 0.3666, 0.3022



# Rectangle

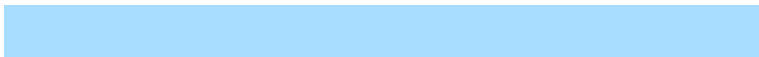
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.7309, 0.3834, 0.4023



69.7309, 0.3144, 0.4039



69.7309, 0.2439, 0.2573



69.7309, 0.3056, 0.2666

# Sweetspot

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



69.7341, 0.3834, 0.4023



92.6749, 0.3318, 0.3504



42.7108, 0.3828, 0.2973



19.6728, 0.3340, 0.3528



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.



69.7341, 0.3834, 0.4023



73.9484, 0.3998, 0.4167



81.9733, 0.3586, 0.4331



18.4578, 0.3276, 0.3458



27.0684, 0.4815, 0.4559



2.5549, 0.4719, 0.4635



# Inverse Universe

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



42.8564, 0.2441, 0.2424



40.1587, 0.2289, 0.2207



35.0676, 0.2526, 0.2106



16.7061, 0.2980, 0.3117



6.1669, 0.1603, 0.0970



0.7111, 0.1670, 0.1212



# Previews

## White Background



This preview shows how the Yxy color 69.7309, 0.3834, 0.4023 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 69.7309, 0.3834, 0.4023 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

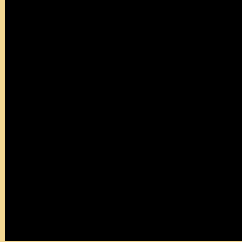
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.7309, 0.3834, 0.4023**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.7309, 0.3834, 0.4023.



This preview shows how white text looks on a background with the Yxy color 69.7309, 0.3834, 0.4023.

# 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

69.7309, 0.3834, 0.4023

### Protanopia

70.0823, 0.3759, 0.4058

### Deuteranopia

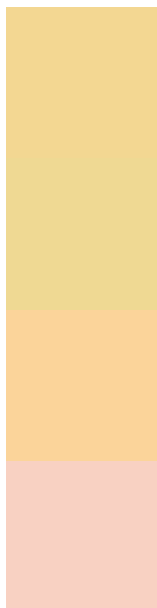
69.8564, 0.3856, 0.3818



## Tritanopia

69.3923, 0.3364, 0.3127

# Trichromacy



## Original Color

69.7309, 0.3834, 0.4023

## Protanomaly

70.0830, 0.3787, 0.4041

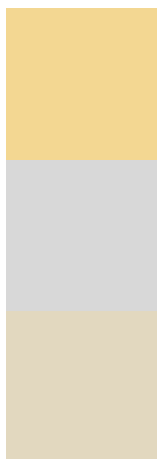
## Deuteranomaly

69.9293, 0.3853, 0.3895

## Tritanomaly

69.4524, 0.3538, 0.3449

# Monochromacy



## Original Color

69.7309, 0.3834, 0.4023

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

69.0421, 0.3375, 0.3567

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.7309, 0.3834, 0.4023 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, 215, 146)` looks like.

```
.text, #text, p{  
    color:rgb(243, 215, 146)  
}
```

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, 215, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 215, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 69.7309, 0.3834, 0.4023 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, 215, 146) }
```

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

```
.border{ border-color:rgb(243, 215, 146) }
```

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

Here you see how a box with a 4 pixel rgb(243, 215, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 215, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 215, 146);  
box-shadow:4px 4px 4px 4px rgb(243, 215,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.7309, 0.3834, 0.4023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 215, 146) }
```

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

```
.background{ background-color: rgb(243,  
215, 146) }
```

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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