

# Converting Colors

$Yxy(72.1963, 0.3718, 0.3872)$

Have a look what the booklet for  
Yxy(72.1963, 0.3718, 0.3872)  
contains.

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# Color

**Yxy(72.1996, 0.3718, 0.3872)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5DAA3
RGB	245, 218, 163
RGB Percent	96%, 85%, 64%
CMY	0.0394, 0.1450, 0.3607
CMYK	0.00, 0.11, 0.33, 0.04
HSL	40°, 80%, 80%
HSV	40°, 33%, 96%
XYZ	69.3280, 72.1996, 44.9383
YIQ	219.8030, 33.7470, -11.3810

# Conversions

## Conversions Part 2

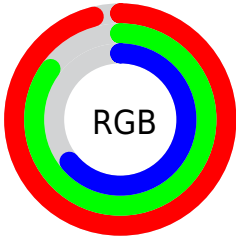
Format	Color
R <sub>Y</sub> B	203, 245, 163
Decimal	16112291
CIE Lab	88.06, 1.53, 30.51
CIE LCh	88, 30.553, 87.130
Yxy	72.1996, 0.3718, 0.3872
Android (android.graphics.Color)	4294302371 (0xFFF5DAA3)
YUV	219.8030, -28.0039, 22.0978
Hunter-Lab	84.9703, -3.0584, 28.1225

# Details

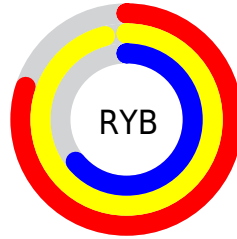
The Yxy color  $72.1996, 0.3718, 0.3872$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $51.1836, 0.2566, 0.2628$ , and the grayscale version is  $71.6065, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $97.8420, 0.3345, 0.3651$ , and  $38.0334, 0.3856, 0.3996$  is the 20% darker color. If you saturate the color by 10%, you get  $67.3322, 0.3924, 0.4046$ , and if you desaturate by 10%, it is  $77.4466, 0.3523, 0.3694$ .

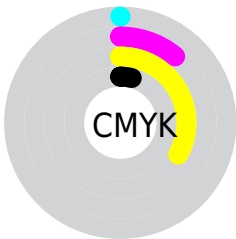
# Distribution



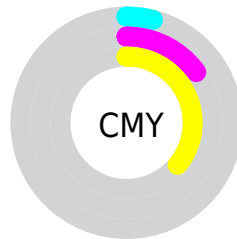
- Red (96%)
- Green (85%)
- Blue (64%)



- Red (80%)
- Yellow (96%)
- Blue (64%)



- Cyan (0%)
- Magenta (11%)
- Yellow (33%)
- Black (4%)




- Cyan (4%)
- Magenta (15%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1996, 0.3718, 0.3872 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 72.1996, 0.3718, 0.3872 by changing the saturation by 10% instead.



 72.1996, 0.3718,  
0.3872


 72.1996, 0.3718,  
0.3872


468.2360, 0.3446,  
0.3606

 53.3217, 0.3779,  
0.3931

 122.3403, 0.3625,  
0.3781

 38.0597, 0.3853,  
0.4003

 154.3719, 0.3588,  
0.3745

 26.0290, 0.3945,  
0.4091


191.5568, 0.3556,  
0.3714

 16.8453, 0.4062,  
0.4203

234.2796, 0.3529,  
0.3687

 10.1243, 0.4213,  
0.4347

282.9245, 0.3505,  
0.3663

 5.4814, 0.4412,  
0.4531

337.8759, 0.3483,

 2.5324, 0.4908,

0.3642

399.5183, 0.3464,  
0.3623

0.5005

0.8928, 0.4983,  
0.5017

0.0000, 0.0000,  
0.0000

72.1996, 0.3718,  
0.3872

72.1996, 0.3718,  
0.3872

67.3322, 0.3924,  
0.4046

77.4466, 0.3523,  
0.3694

62.8217, 0.4135,  
0.4205

83.0752, 0.3344,  
0.3517

58.6578, 0.4344,  
0.4339

89.0997, 0.3180,  
0.3347

54.8251, 0.4541,  
0.4437

95.1385, 0.3067,  
0.3244

■ 51.3066, 0.4715,  
0.4488

■ 98.1446, 0.3065,  
0.3290

■ 48.0819, 0.4857,  
0.4487

■ 46.1112, 0.4936,  
0.4463

# Harmonies

## Analogous

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



72.1996, 0.3861, 0.3643



72.1996, 0.3718, 0.3872



72.1996, 0.3418, 0.3953

# Triad

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



72.1996, 0.3718, 0.3872



72.1996, 0.2501, 0.3174



72.1996, 0.3170, 0.2823

# Complementary

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



72.1996, 0.3718, 0.3872



51.1836, 0.2566, 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.



72.1996, 0.2812, 0.2699



72.1996, 0.3718, 0.3872



72.1996, 0.2443, 0.2878

# Square

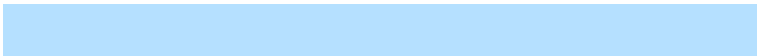
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.1996, 0.3718, 0.3872



72.1996, 0.2718, 0.3533



72.1996, 0.2553, 0.2714



72.1996, 0.3536, 0.3054



# Rectangle

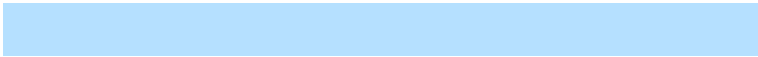
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.1996, 0.3718, 0.3872



72.1996, 0.3175, 0.3895



72.1996, 0.2553, 0.2714



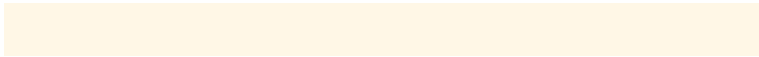
72.1996, 0.3045, 0.2768

# Sweetspot

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



72.2029, 0.3718, 0.3872



93.2330, 0.3286, 0.3458



49.3364, 0.3648, 0.2996



19.7597, 0.3309, 0.3482



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.



72.2029, 0.3718, 0.3872



75.5216, 0.3854, 0.3988



84.9621, 0.3535, 0.4154



18.3418, 0.3277, 0.3448



25.1147, 0.4921, 0.4475



2.3946, 0.4806, 0.4566



# Inverse Universe

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



51.1836, 0.2566, 0.2628



49.3337, 0.2446, 0.2470



42.0982, 0.2621, 0.2317



16.8164, 0.2980, 0.3127



6.9095, 0.1630, 0.1067



0.7874, 0.1698, 0.1314



# Previews

## White Background



This preview shows how the Yxy color 72.1996, 0.3718, 0.3872 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

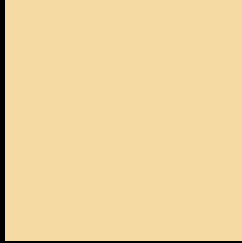
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.1996, 0.3718, 0.3872 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

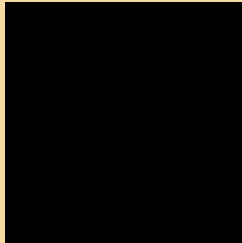
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.1996, 0.3718, 0.3872**

## Background



This preview shows how black text looks on a background with the Yxy color 72.1996, 0.3718, 0.3872.



This preview shows how white text looks on a background with the Yxy color 72.1996, 0.3718, 0.3872.

# 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

72.1996, 0.3718, 0.3872

### Protanopia

72.3978, 0.3639, 0.3905

### Deuteranopia

71.9436, 0.3726, 0.3683



## Tritanopia

72.2796, 0.3329, 0.3128

# Trichromacy



**Original Color**

72.1996, 0.3718, 0.3872

**Protanomaly**

72.3920, 0.3666, 0.3890

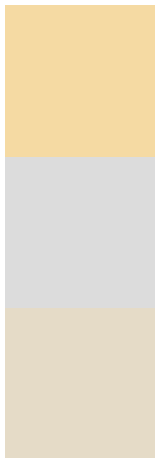
**Deuteranomaly**

72.0504, 0.3718, 0.3750

**Tritanomaly**

72.0400, 0.3470, 0.3395

# Monochromacy



**Original Color**

72.1996, 0.3718, 0.3872

**Achromatopsia**

71.5694, 0.3127, 0.3290

**Achromatomaly**

71.4446, 0.3337, 0.3508

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.1996, 0.3718, 0.3872 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, 218, 163)` looks like.

```
.text, #text, p{  
    color:rgb(245, 218, 163)  
}
```

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, 218, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 218, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 72.1996, 0.3718, 0.3872 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, 218, 163) }
```

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

```
.border{ border-color:rgb(245, 218, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 218, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 218, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 218, 163);  
box-shadow:4px 4px 4px 4px rgb(245, 218,  
163) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 72.1996, 0.3718, 0.3872$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 218, 163) }
```

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

```
.background{ background-color: rgb(245,  
218, 163) }
```

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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