

# Converting Colors

$Y_{xy}(72.0720, 0.3666, 0.3815)$

Have a look what the booklet for  
Yxy(72.0720, 0.3666, 0.3815)  
contains.

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# Color

**Yxy(72.0621, 0.3660, 0.3812)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3DAA9
RGB	243, 218, 169
RGB Percent	95%, 85%, 66%
CMY	0.0471, 0.1450, 0.3373
CMYK	0.00, 0.10, 0.30, 0.05
HSL	40°, 75%, 81%
HSV	40°, 30%, 95%
XYZ	69.1887, 72.0621, 47.7893
YIQ	219.8890, 30.6290, -9.9390

# Conversions

## Conversions Part 2

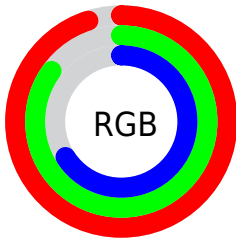
Format	Color
R <sub>Y</sub> B	207, 243, 169
Decimal	15981225
CIE Lab	88.00, 1.51, 27.32
CIE LCh	88, 27.358, 86.830
Yxy	72.0621, 0.3660, 0.3812
Android (android.graphics.Color)	4294171305 (0xFFFF3DAA9)
YUV	219.8890, -25.0883, 20.2683
Hunter-Lab	84.8894, -3.0709, 26.0447

# Details

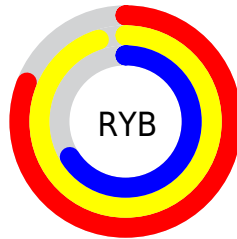
The Yxy color **72.0621, 0.3660, 0.3812** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.4642, 0.2622, 0.2705**, and the grayscale version is **71.6507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **37.9178, 0.3781, 0.3921** is the 20% darker color. If you saturate the color by 10%, you get **67.0883, 0.3864, 0.3986**, and if you desaturate by 10%, it is **77.4224, 0.3469, 0.3636**.

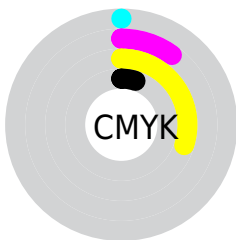
# Distribution



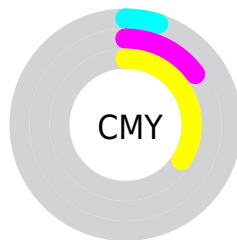
- Red (95%)
- Green (85%)
- Blue (66%)



- Red (81%)
- Yellow (95%)
- Blue (66%)



- Cyan (0%)
- Magenta (10%)
- Yellow (30%)
- Black (5%)




- Cyan (5%)
- Magenta (15%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0621, 0.3660, 0.3812 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 72.0621, 0.3660, 0.3812 by changing the saturation by 10% instead.




 72.0621, 0.3660,  
0.3812


 72.0621, 0.3660,  
0.3812


467.7577, 0.3414,  
0.3573

 53.2094, 0.3715,  
0.3865

 122.1448, 0.3575,  
0.3730

 37.9700, 0.3783,  
0.3931


 154.1436, 0.3542,  
0.3698

 25.9594, 0.3868,  
0.4012


191.2933, 0.3514,  
0.3670

 16.7933, 0.3976,  
0.4115

233.9781, 0.3489,  
0.3645

 10.0872, 0.4118,  
0.4249

282.5826, 0.3467,  
0.3624

 5.4568, 0.4310,  
0.4427

337.4911, 0.3447,

 2.5177, 0.4705,

0.3605

0.4800

399.0880, 0.3430,  
0.3588

0.8855, 0.4982,  
0.5018

0.0000, 0.0000,  
0.0000

72.0621, 0.3660,  
0.3812

72.0621, 0.3660,  
0.3812

67.0883, 0.3864,  
0.3986

77.4224, 0.3469,  
0.3636

62.4787, 0.4077,  
0.4149

83.1709, 0.3293,  
0.3463

58.2232, 0.4291,  
0.4290

89.3220, 0.3134,  
0.3297

54.3071, 0.4496,  
0.4398

95.1451, 0.3054,  
0.3249

■ 50.7140, 0.4682,  
0.4462

■ 97.7913, 0.3053,  
0.3290

■ 47.4249, 0.4838,  
0.4476

■ 44.5409, 0.4959,  
0.4444

# Harmonies

## Analogous

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



72.0621, 0.3784, 0.3608



72.0621, 0.3660, 0.3812



72.0621, 0.3393, 0.3882

# Triad

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



72.0621, 0.3660, 0.3812



72.0621, 0.2565, 0.3192



72.0621, 0.3164, 0.2866

# Complementary

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



72.0621, 0.3660, 0.3812



53.4642, 0.2622, 0.2705

# Split Complementary

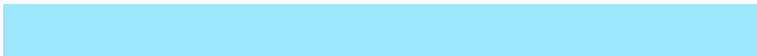
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.0621, 0.2842, 0.2756



72.0621, 0.3660, 0.3812



72.0621, 0.2510, 0.2924

# Square

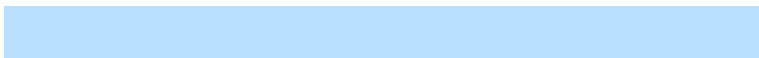
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.0621, 0.3660, 0.3812



72.0621, 0.2763, 0.3511



72.0621, 0.2608, 0.2772



72.0621, 0.3491, 0.3075



# Rectangle

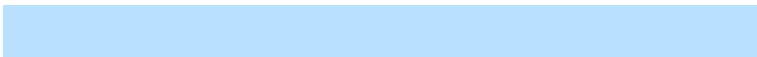
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.0621, 0.3660, 0.3812



72.0621, 0.3175, 0.3829



72.0621, 0.2608, 0.2772



72.0621, 0.3051, 0.2817

# Sweetspot

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



72.0654, 0.3660, 0.3812



93.7677, 0.3269, 0.3438



51.3556, 0.3574, 0.3010



19.8619, 0.3293, 0.3463



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.



72.0654, 0.3660, 0.3812



76.6851, 0.3795, 0.3928



84.0899, 0.3509, 0.4073



18.3167, 0.3277, 0.3446



24.7091, 0.4944, 0.4456



2.3611, 0.4826, 0.4550



# Inverse Universe

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



53.4642, 0.2622, 0.2705



52.6728, 0.2502, 0.2552



44.5526, 0.2666, 0.2414



16.8405, 0.2980, 0.3129



7.0852, 0.1636, 0.1089

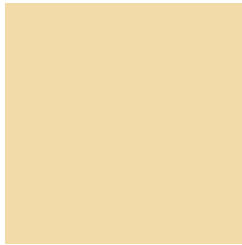


0.8050, 0.1705, 0.1337



# Previews

## White Background



This preview shows how the Yxy color 72.0621, 0.3660, 0.3812 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

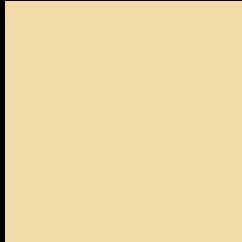
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.0621, 0.3660, 0.3812 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

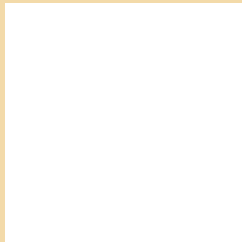
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.0621, 0.3660, 0.3812**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.0621, 0.3660, 0.3812.



This preview shows how white text looks on a background with the Yxy color 72.0621, 0.3660, 0.3812.

# 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

72.0621, 0.3660, 0.3812

### Protanopia

71.9215, 0.3593, 0.3831

### Deuteranopia

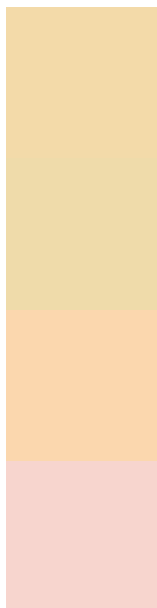
72.0228, 0.3711, 0.3663



## Tritanopia

71.9632, 0.3307, 0.3117

# Trichromacy



## Original Color

72.0621, 0.3660, 0.3812

## Protanomaly

71.9160, 0.3619, 0.3817

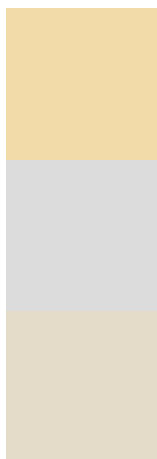
## Deuteranomaly

72.1661, 0.3696, 0.3718

## Tritanomaly

71.8189, 0.3433, 0.3364

# Monochromacy



## Original Color

72.0621, 0.3660, 0.3812

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

71.3741, 0.3316, 0.3487

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.0621, 0.3660, 0.3812 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, 218, 169)` looks like.

```
.text, #text, p{  
    color:rgb(243, 218, 169)  
}
```

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, 218, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 218, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 72.0621, 0.3660, 0.3812 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, 218, 169) }
```

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

```
.border{ border-color:rgb(243, 218, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 218, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 218, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 218, 169);  
box-shadow:4px 4px 4px 4px rgb(243, 218,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.0621, 0.3660, 0.3812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 218, 169) }
```

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

```
.background{ background-color: rgb(243,  
218, 169) }
```

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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