

# Converting Colors

$Y_{xy}(48.2268, 0.4172, 0.3642)$

Have a look what the booklet for  
Yxy(48.2268, 0.4172, 0.3642)  
contains.

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# Color

**Yxy(48.2268, 0.4172, 0.3642)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F4A686
RGB	244, 166, 134
RGB Percent	96%, 65%, 53%
CMY	0.0432, 0.3490, 0.4746
CMYK	0.00, 0.32, 0.45, 0.04
HSL	17°, 83%, 74%
HSV	17°, 45%, 96%
XYZ	55.2450, 48.2268, 28.9467
YIQ	185.6740, 56.7600, 6.5840

# Conversions

## Conversions Part 2

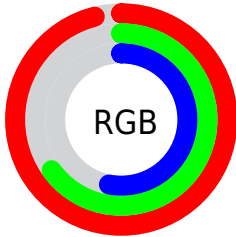
Format	Color
R <sub>Y</sub> B	244, 179, 134
Decimal	16033414
CIE Lab	74.97, 25.17, 28.24
CIE LCh	75, 37.830, 48.288
Yxy	48.2268, 0.4172, 0.3642
Android (android.graphics.Color)	4294223494 (0xFFFF4A686)
YUV	185.6740, -25.4753, 51.1519
Hunter-Lab	69.4455, 20.4698, 23.8983

# Details

The Yxy color **48.2268, 0.4172, 0.3642** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **58.6708, 0.2452, 0.2895**, and the grayscale version is **49.0333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5608, 0.3615, 0.3639**, and **22.9890, 0.4457, 0.3709** is the 20% darker color. If you saturate the color by 10%, you get **41.7533, 0.4513, 0.3709**, and if you desaturate by 10%, it is **55.7078, 0.3871, 0.3564**.

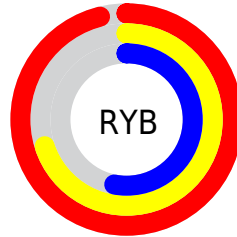
# Distribution



Red (96%)

Green (65%)

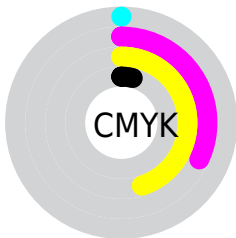
Blue (53%)



Red (96%)

Yellow (70%)

Blue (53%)

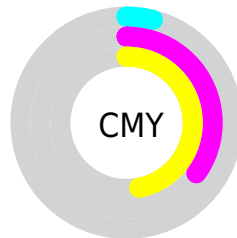


Cyan (0%)

Magenta (32%)

Yellow (45%)

Black (4%)



Cyan (4%)

Magenta (35%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2268, 0.4172, 0.3642 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 48.2268, 0.4172, 0.3642 by changing the saturation by 10% instead.





 48.2268, 0.4172,  
0.3642

 48.2268, 0.4172,  
0.3642


379.6904, 0.3650,  
0.3491


 34.0065, 0.4300,  
0.3671


 87.5420, 0.3983,  
0.3593

 22.8986, 0.4462,  
0.3703


 113.4057, 0.3912,  
0.3573

 14.5187, 0.4672,  
0.3736


 143.9193, 0.3852,  
0.3555

 8.4823, 0.4954,  
0.3765

179.4673, 0.3800,  
0.3540

 4.4051, 0.5343,  
0.3769

220.4340, 0.3755,  
0.3525

 1.9026, 0.6148,  
0.3852

267.2038, 0.3715,

 0.5500, 0.6808,

0.3513

0.3192

320.1612, 0.3681,  
0.3501

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

48.2268, 0.4172,  
0.3642

48.2268, 0.4172,  
0.3642

41.7533, 0.4513,  
0.3709

55.7078, 0.3871,  
0.3564

36.2358, 0.4883,  
0.3755

64.2309, 0.3613,  
0.3483

31.6284, 0.5261,  
0.3767

73.8373, 0.3393,  
0.3403

27.8786, 0.5612,  
0.3735

84.5643, 0.3209,  
0.3327

■ 24.9267, 0.5898,  
0.3656

■ 96.3834, 0.3060,  
0.3266

■ 23.7416, 0.6012,  
0.3608

■ 97.9718, 0.3060,  
0.3290

# Harmonies

## Analogous

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



48.2268, 0.3993, 0.3230



48.2268, 0.4172, 0.3642



48.2268, 0.4042, 0.4012

# Triad

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



48.2268, 0.4172, 0.3642



48.2268, 0.2671, 0.3785



48.2268, 0.2560, 0.2463

# Complementary

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



48.2268, 0.4172, 0.3642



58.6708, 0.2452, 0.2895

# 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.



48.2268, 0.2266, 0.2530



48.2268, 0.4172, 0.3642



48.2268, 0.2322, 0.3260

# Square

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



48.2268, 0.4172, 0.3642



48.2268, 0.3160, 0.4160



48.2268, 0.2183, 0.2803



48.2268, 0.3024, 0.2582



# Rectangle

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



48.2268, 0.4172, 0.3642



48.2268, 0.3810, 0.4181



48.2268, 0.2183, 0.2803



48.2268, 0.2440, 0.2463

# Sweetspot

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



48.2292, 0.4172, 0.3642



82.8128, 0.3373, 0.3394



41.0741, 0.3470, 0.2465



17.2056, 0.3416, 0.3411



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.



48.2292, 0.4172, 0.3642



46.7957, 0.4479, 0.3703



72.2223, 0.3900, 0.4189



17.2684, 0.3286, 0.3360



13.1138, 0.5984, 0.3631



1.3223, 0.5740, 0.3824



# Inverse Universe

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



58.6708, 0.2452, 0.2895



59.5805, 0.2336, 0.2800



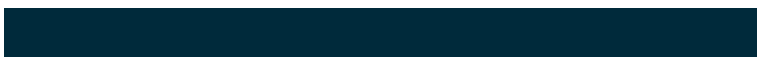
35.9920, 0.2327, 0.2183



17.8952, 0.2980, 0.3219



20.0437, 0.1976, 0.2313



1.9382, 0.2014, 0.2450



# Previews

## White Background



This preview shows how the Yxy color 48.2268, 0.4172, 0.3642 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

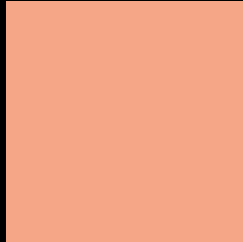
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.2268, 0.4172, 0.3642 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

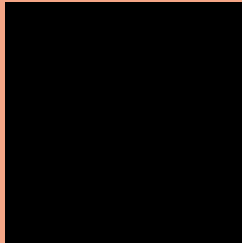
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.2268, 0.4172, 0.3642**

## Background



This preview shows how black text looks on a background with the Yxy color 48.2268, 0.4172, 0.3642.



This preview shows how white text looks on a background with the Yxy color 48.2268, 0.4172, 0.3642.

# 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

48.2268, 0.4172, 0.3642

### Protanopia

48.5212, 0.3582, 0.3840

### Deuteranopia

48.3259, 0.3912, 0.3827



## Tritanopia

48.2810, 0.3841, 0.3162

# Trichromacy



**Original Color**

48.2268, 0.4172, 0.3642

**Protanomaly**

48.0010, 0.3790, 0.3766

**Deuteranomaly**

48.2386, 0.4007, 0.3753

**Tritanomaly**

48.2904, 0.3963, 0.3336

# Monochromacy



**Original Color**

48.2268, 0.4172, 0.3642

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

48.2956, 0.3477, 0.3439

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.2268, 0.4172, 0.3642 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(244, 166, 134)` looks like.

```
.text, #text, p{  
    color:rgb(244, 166, 134)  
}
```

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(244, 166, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 166, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 48.2268, 0.4172, 0.3642 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(244, 166, 134) }
```

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

```
.border{ border-color:rgb(244, 166, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 166, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 166, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 166, 134);  
box-shadow:4px 4px 4px 4px rgb(244, 166,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.2268, 0.4172, 0.3642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 166, 134) }
```

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

```
.background{ background-color: rgb(244,  
166, 134) }
```

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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