

# Converting Colors

$Yxy(48.0959, 0.4168, 0.3606)$

Have a look what the booklet for  
Yxy(48.0959, 0.4168, 0.3606)  
contains.

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# Color

**Yxy(48.1003, 0.4168, 0.3608)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5A588
RGB	245, 165, 136
RGB Percent	96%, 65%, 53%
CMY	0.0391, 0.3530, 0.4666
CMYK	0.00, 0.33, 0.44, 0.04
HSL	16°, 85%, 75%
HSV	16°, 44%, 96%
XYZ	55.5660, 48.1003, 29.6494
YIQ	185.6140, 56.9890, 7.9410

# Conversions

## Conversions Part 2

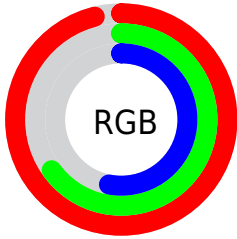
Format	Color
R <sub>Y</sub> B	245, 176, 136
Decimal	16098696
CIE Lab	74.89, 26.32, 27.07
CIE LCh	75, 37.758, 45.804
Yxy	48.1003, 0.4168, 0.3608
Android (android.graphics.Color)	4294288776 (0xFFFF5A588)
YUV	185.6140, -24.4597, 52.0815
Hunter-Lab	69.3544, 21.6421, 23.2012

# Details

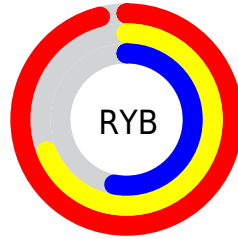
The Yxy color **48.1003, 0.4168, 0.3608** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **60.9718, 0.2466, 0.2936**, and the grayscale version is **48.9928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1641, 0.3596, 0.3598**, and **22.9212, 0.4452, 0.3666** is the 20% darker color. If you saturate the color by 10%, you get **41.4444, 0.4516, 0.3670**, and if you desaturate by 10%, it is **55.8331, 0.3863, 0.3537**.

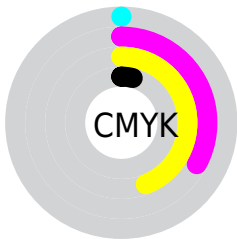
# Distribution



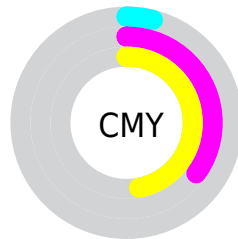
- Red (96%)
- Green (65%)
- Blue (53%)



- Red (96%)
- Yellow (69%)
- Blue (53%)



- Cyan (0%)
- Magenta (33%)
- Yellow (44%)
- Black (4%)




- Cyan (4%)
- Magenta (35%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1003, 0.4168, 0.3608 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 48.1003, 0.4168, 0.3608 by changing the saturation by 10% instead.





 48.1003, 0.4168,  
0.3608


 48.1003, 0.4168,  
0.3608


379.1896, 0.3647,  
0.3473

 33.9063, 0.4296,  
0.3633


 87.3537, 0.3980,  
0.3565

 22.8216, 0.4458,  
0.3661


 113.1820, 0.3909,  
0.3547

 14.4619, 0.4670,  
0.3688


 143.6571, 0.3848,  
0.3531

 8.4426, 0.4954,  
0.3710


179.1634, 0.3797,  
0.3517

 4.3794, 0.5350,  
0.3707

220.0855, 0.3752,  
0.3504

 1.8880, 0.6202,  
0.3798

266.8076, 0.3712,

 0.5411, 0.6888,

0.3493

0.3112

319.7141, 0.3678,  
0.3483

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

48.1003, 0.4168,  
0.3608

48.1003, 0.4168,  
0.3608

41.4444, 0.4516,  
0.3670

55.8331, 0.3863,  
0.3537

35.8094, 0.4896,  
0.3711

64.6814, 0.3603,  
0.3462

31.1447, 0.5286,  
0.3721

74.6904, 0.3383,  
0.3389

27.3922, 0.5649,  
0.3690

85.9008, 0.3200,  
0.3320

■ 24.4864, 0.5943,  
0.3614

■ 98.1220, 0.3066,  
0.3289

■ 23.2154, 0.6071,  
0.3562

■ 98.1598, 0.3066,  
0.3290

# Harmonies

## Analogous

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



48.1003, 0.3964, 0.3197



48.1003, 0.4168, 0.3608



48.1003, 0.4062, 0.3985

# Triad

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



48.1003, 0.4168, 0.3608



48.1003, 0.2708, 0.3824



48.1003, 0.2529, 0.2461

# Complementary

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



48.1003, 0.4168, 0.3608



60.9718, 0.2466, 0.2936

# 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.



48.1003, 0.2252, 0.2545



48.1003, 0.4168, 0.3608



48.1003, 0.2345, 0.3303

# Square

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



48.1003, 0.4168, 0.3608



48.1003, 0.3203, 0.4177



48.1003, 0.2187, 0.2835



48.1003, 0.2981, 0.2567



# Rectangle

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



48.1003, 0.4168, 0.3608



48.1003, 0.3843, 0.4164



48.1003, 0.2187, 0.2835



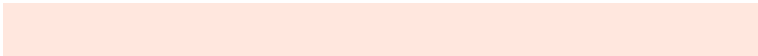
48.1003, 0.2414, 0.2467

# Sweetspot

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



48.1027, 0.4168, 0.3608



83.4882, 0.3354, 0.3378



42.0799, 0.3429, 0.2441



17.3181, 0.3398, 0.3394



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.



48.1027, 0.4168, 0.3608



46.3130, 0.4465, 0.3662



71.2271, 0.3906, 0.4144



17.1988, 0.3287, 0.3354



12.6947, 0.6043, 0.3584



1.2777, 0.5800, 0.3777

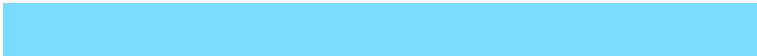


# Inverse Universe

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



60.9718, 0.2466, 0.2936



61.9060, 0.2357, 0.2854



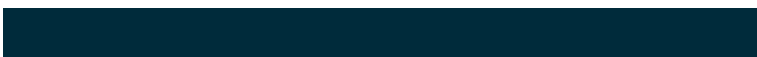
38.1178, 0.2346, 0.2248



17.9689, 0.2980, 0.3226



21.3498, 0.2001, 0.2403



2.0443, 0.2035, 0.2527



# Previews

## White Background



This preview shows how the Yxy color 48.1003, 0.4168, 0.3608 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

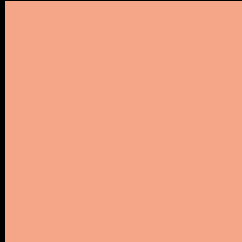
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.1003, 0.4168, 0.3608 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 48.1003, 0.4168, 0.3608**

## Background



This preview shows how black text looks on a background with the Yxy color 48.1003, 0.4168, 0.3608.



This preview shows how white text looks on a background with the Yxy color 48.1003, 0.4168, 0.3608.

# 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

48.1003, 0.4168, 0.3608

### Protanopia

48.1956, 0.3560, 0.3790

### Deuteranopia

48.2256, 0.3885, 0.3805



## Tritanopia

48.0766, 0.3863, 0.3163

# Trichromacy



**Original Color**

48.1003, 0.4168, 0.3608

**Protanomaly**

47.6934, 0.3768, 0.3718

**Deuteranomaly**

48.1304, 0.3979, 0.3733

**Tritanomaly**

48.1180, 0.3976, 0.3325

# Monochromacy



**Original Color**

48.1003, 0.4168, 0.3608

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

47.9333, 0.3471, 0.3414

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.1003, 0.4168, 0.3608 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, 165, 136)` looks like.

```
.text, #text, p{  
    color:rgb(245, 165, 136)  
}
```

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, 165, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 165, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 48.1003, 0.4168, 0.3608 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, 165, 136) }
```

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

```
.border{ border-color:rgb(245, 165, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 165, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 165, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 165, 136);  
box-shadow:4px 4px 4px 4px rgb(245, 165,  
136) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.1003, 0.4168, 0.3608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 165, 136) }
```

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

```
.background{ background-color: rgb(245,  
165, 136) }
```

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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