

# Converting Colors

$Y_{xy}(48.7569, 0.4229, 0.3545)$

Have a look what the booklet for  
Yxy(48.7569, 0.4229, 0.3545)  
contains.

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# Color

**Yxy(48.5874, 0.4227, 0.3536)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDA28B
RGB	253, 162, 139
RGB Percent	99%, 64%, 55%
CMY	0.0079, 0.3646, 0.4549
CMYK	0.00, 0.36, 0.45, 0.01
HSL	12°, 97%, 77%
HSV	12°, 45%, 99%
XYZ	58.0823, 48.5874, 30.7381
YIQ	186.5870, 61.6190, 12.1390

# Conversions

## Conversions Part 2

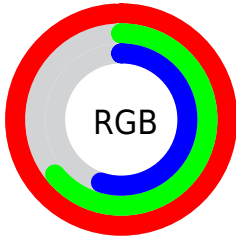
Format	Color
R <sub>Y</sub> B	253, 168, 139
Decimal	16622219
CIE Lab	75.19, 31.22, 26.03
CIE LCh	75, 40.649, 39.819
Yxy	48.5874, 0.4227, 0.3536
Android (android.graphics.Color)	4294812299 (0xFFFDA28B)
YUV	186.5870, -23.4604, 58.2442
Hunter-Lab	69.7047, 26.7542, 22.6478

# Details

The Yxy color **48.5874, 0.4227, 0.3536** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **69.1437, 0.2473, 0.3018**, and the grayscale version is **49.5591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2531, 0.3579, 0.3547**, and **22.9960, 0.4530, 0.3559** is the 20% darker color. If you saturate the color by 10%, you get **41.3827, 0.4601, 0.3581**, and if you desaturate by 10%, it is **57.1097, 0.3902, 0.3482**.

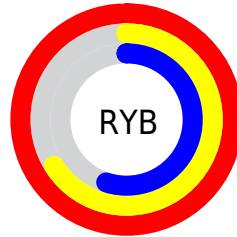
# Distribution



Red (99%)

Green (64%)

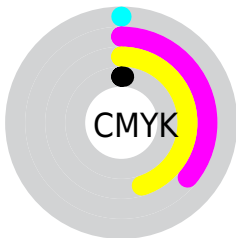
Blue (55%)



Red (99%)

Yellow (66%)

Blue (55%)

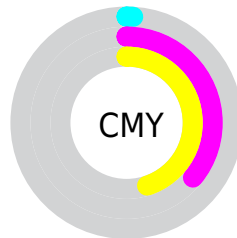


Cyan (0%)

Magenta (36%)

Yellow (45%)

Black (1%)



Cyan (1%)

Magenta (36%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5874, 0.4227, 0.3536 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 48.5874, 0.4227, 0.3536 by changing the saturation by 10% instead.





 48.5874, 0.4227,  
0.3536


 48.5874, 0.4227,  
0.3536


381.1157, 0.3677,  
0.3439

 34.2923, 0.4362,  
0.3552


 88.0783, 0.4028,  
0.3507

 23.1182, 0.4534,  
0.3567


 114.0430, 0.3953,  
0.3494

 14.6808, 0.4757,  
0.3578


 144.6662, 0.3889,  
0.3483

 8.5957, 0.5057,  
0.3577

180.3325, 0.3835,  
0.3472

 4.4784, 0.5475,  
0.3544

221.4262, 0.3787,  
0.3463

 1.9446, 0.6387,  
0.3592

268.3317, 0.3746,

 0.5750, 0.7089,

0.3454

0.2911

321.4334, 0.3709,  
0.3446

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

48.5874, 0.4227,  
0.3536

48.5874, 0.4227,  
0.3536

41.3827, 0.4601,  
0.3581

57.1097, 0.3902,  
0.3482

35.4220, 0.5011,  
0.3608

67.0038, 0.3627,  
0.3425

30.6354, 0.5428,  
0.3607

78.3298, 0.3399,  
0.3369

26.9427, 0.5806,  
0.3570

91.1420, 0.3210,  
0.3315

■ 24.2531, 0.6094,  
0.3499

99.6188, 0.3115,  
0.3290

■ 23.2562, 0.6200,  
0.3459

# Harmonies

## Analogous

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



48.5874, 0.3946, 0.3103



48.5874, 0.4227, 0.3536



48.5874, 0.4175, 0.3954

# Triad

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



48.5874, 0.4227, 0.3536



48.5874, 0.2774, 0.3964



48.5874, 0.2412, 0.2408

# Complementary

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



48.5874, 0.4227, 0.3536



69.1437, 0.2473, 0.3018

# 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.



48.5874, 0.2162, 0.2537



48.5874, 0.4227, 0.3536



48.5874, 0.2352, 0.3416

# Square

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



48.5874, 0.4227, 0.3536



48.5874, 0.3315, 0.4284



48.5874, 0.2140, 0.2886



48.5874, 0.2861, 0.2483



# Rectangle

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



48.5874, 0.4227, 0.3536



48.5874, 0.3972, 0.4175



48.5874, 0.2140, 0.2886



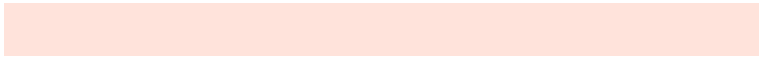
48.5874, 0.2305, 0.2427

# Sweetspot

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



48.5898, 0.4227, 0.3536



81.0623, 0.3377, 0.3363



45.0640, 0.3381, 0.2379



16.7835, 0.3422, 0.3375



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.



48.5898, 0.4227, 0.3536



42.8391, 0.4560, 0.3577



73.2919, 0.3944, 0.4104



18.5813, 0.3289, 0.3339



12.5363, 0.6176, 0.3478



1.3664, 0.5971, 0.3641

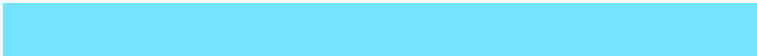


# Inverse Universe

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



69.1437, 0.2473, 0.3018



66.0591, 0.2368, 0.2955



42.5369, 0.2347, 0.2303



19.8213, 0.2980, 0.3241



26.4277, 0.2063, 0.2626



2.7236, 0.2086, 0.2710



# Previews

## White Background



This preview shows how the Yxy color 48.5874, 0.4227, 0.3536 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

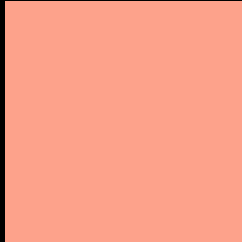
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.5874, 0.4227, 0.3536 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 48.5874, 0.4227, 0.3536**

## Background



This preview shows how black text looks on a background with the Yxy color 48.5874, 0.4227, 0.3536.



This preview shows how white text looks on a background with the Yxy color 48.5874, 0.4227, 0.3536.

# 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

48.5874, 0.4227, 0.3536

### Protanopia

48.7702, 0.3516, 0.3737

### Deuteranopia

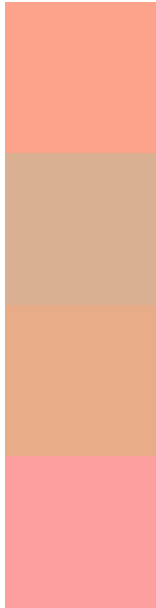
48.8340, 0.3873, 0.3791



## Tritanopia

48.6160, 0.3955, 0.3166

# Trichromacy



**Original Color**

48.5874, 0.4227, 0.3536

**Protanomaly**

48.2713, 0.3761, 0.3665

**Deuteranomaly**

48.4670, 0.4003, 0.3692

**Tritanomaly**

48.3703, 0.4052, 0.3293

# Monochromacy



**Original Color**

48.5874, 0.4227, 0.3536

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

48.5920, 0.3489, 0.3388

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.5874, 0.4227, 0.3536 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(253, 162, 139)` looks like.

```
.text, #text, p{  
    color:rgb(253, 162, 139)  
}
```

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(253, 162, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 162, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 48.5874, 0.4227, 0.3536 is called "border". The border property can be set on classes, ids or directly on the HTML element.

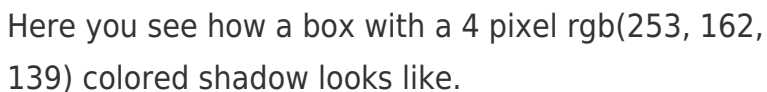
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(253, 162, 139) }
```

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

```
.border{ border-color:rgb(253, 162, 139) }
```

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



Here you see how a box with a 4 pixel `rgb(253, 162, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(253, 162, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(253, 162, 139); box-shadow:4px 4px 4px 4px rgb(253, 162, 139) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.5874, 0.4227, 0.3536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 162, 139) }
```

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

```
.background{ background-color: rgb(253,  
162, 139) }
```

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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