

# Converting Colors

$Yxy(49.9157, 0.3986, 0.3474)$

Have a look what the booklet for  
Yxy(49.9157, 0.3986, 0.3474)  
contains.

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# Color

**Yxy(49.8760, 0.3987, 0.3479)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4A998
RGB	244, 169, 152
RGB Percent	96%, 66%, 60%
CMY	0.0432, 0.3372, 0.4038
CMYK	0.00, 0.31, 0.38, 0.04
HSL	11°, 81%, 78%
HSV	11°, 38%, 96%
XYZ	57.1588, 49.8760, 36.3282
YIQ	189.4870, 50.1570, 10.6130

# Conversions

## Conversions Part 2

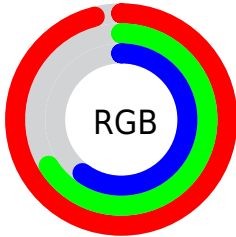
Format	Color
R <sub>Y</sub> B	244, 173, 152
Decimal	16034200
CIE Lab	75.99, 25.52, 19.89
CIE LCh	76, 32.355, 37.941
Yxy	49.8760, 0.3987, 0.3479
Android (android.graphics.Color)	4294224280 (0xFFFF4A998)
YUV	189.4870, -18.4811, 47.8079
Hunter-Lab	70.6229, 20.8792, 18.9375

# Details

The Yxy color **49.8760, 0.3987, 0.3479** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **68.1351, 0.2572, 0.3089**, and the grayscale version is **51.2707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5667, 0.3472, 0.3483**, and **23.8695, 0.4235, 0.3504** is the 20% darker color. If you saturate the color by 10%, you get **42.3128, 0.4329, 0.3527**, and if you desaturate by 10%, it is **58.7341, 0.3697, 0.3427**.

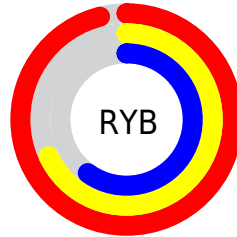
# Distribution



Red (96%)

Green (66%)

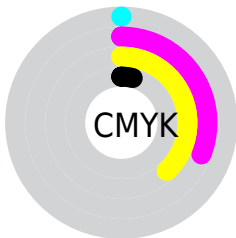
Blue (60%)



Red (96%)

Yellow (68%)

Blue (60%)

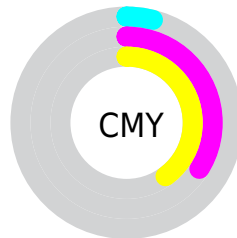


Cyan (0%)

Magenta (31%)

Yellow (38%)

Black (4%)



Cyan (4%)

Magenta (34%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8760, 0.3987, 0.3479 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 49.8760, 0.3987, 0.3479 by changing the saturation by 10% instead.





 49.8760, 0.3987,  
0.3479

 49.8760, 0.3987,  
0.3479


386.1808, 0.3558,  
0.3400

 35.3149, 0.4093,  
0.3494


 89.9911, 0.3832,  
0.3454

 23.9055, 0.4228,  
0.3509


 116.3139, 0.3773,  
0.3444

 15.2636, 0.4405,  
0.3525


147.3261, 0.3724,  
0.3434

 9.0046, 0.4647,  
0.3538

183.4120, 0.3681,  
0.3426

 4.7442, 0.4994,  
0.3537

224.9560, 0.3644,  
0.3419

 2.0979, 0.5574,  
0.3524

272.3425, 0.3612,

 0.6635, 0.6662,

0.3412

0.3338

325.9560, 0.3583,  
0.3406

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

49.8760, 0.3987,  
0.3479

49.8760, 0.3987,  
0.3479

42.3128, 0.4329,  
0.3527

58.7341, 0.3697,  
0.3427

35.9763, 0.4720,  
0.3564

68.9365, 0.3455,  
0.3375

30.8032, 0.5141,  
0.3582

80.5390, 0.3256,  
0.3326

26.7213, 0.5558,  
0.3572

93.5920, 0.3092,  
0.3280

■ 23.6500, 0.5921,  
0.3527

■ 97.9689, 0.3059,  
0.3290

■ 21.4957, 0.6179,  
0.3454

■ 21.1128, 0.6227,  
0.3438

# Harmonies

## Analogous

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



49.8760, 0.3751, 0.3126



49.8760, 0.3987, 0.3479



49.8760, 0.3970, 0.3815

# Triad

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



49.8760, 0.3987, 0.3479



49.8760, 0.2879, 0.3834



49.8760, 0.2537, 0.2581

# Complementary

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



49.8760, 0.3987, 0.3479



68.1351, 0.2572, 0.3089

# 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.



49.8760, 0.2342, 0.2705



49.8760, 0.3987, 0.3479



49.8760, 0.2526, 0.3423

# Square

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



49.8760, 0.3987, 0.3479



49.8760, 0.3314, 0.4069



49.8760, 0.2338, 0.3002



49.8760, 0.2894, 0.2629



# Rectangle

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



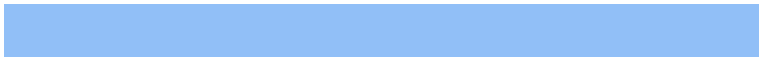
49.8760, 0.3987, 0.3479



49.8760, 0.3823, 0.3987



49.8760, 0.2338, 0.3002



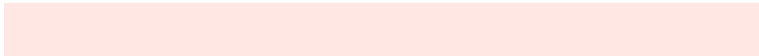
49.8760, 0.2452, 0.2603

# Sweetspot

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



49.8784, 0.3987, 0.3479



84.5922, 0.3318, 0.3342



47.2444, 0.3316, 0.2510



17.7286, 0.3345, 0.3349



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.



49.8784, 0.3987, 0.3479



48.8112, 0.4236, 0.3515



70.0246, 0.3800, 0.3957



16.9779, 0.3289, 0.3334



11.6253, 0.6204, 0.3456



1.1548, 0.5980, 0.3633



# Inverse Universe

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



68.1351, 0.2572, 0.3089



71.5440, 0.2478, 0.3042



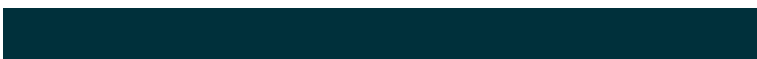
46.3121, 0.2488, 0.2514



18.2064, 0.2980, 0.3245



25.9252, 0.2080, 0.2687



2.4105, 0.2103, 0.2771



# Previews

## White Background



This preview shows how the Yxy color 49.8760, 0.3987, 0.3479 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 49.8760, 0.3987, 0.3479 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 49.8760, 0.3987, 0.3479**

## Background



This preview shows how black text looks on a background with the Yxy color 49.8760, 0.3987, 0.3479.



This preview shows how white text looks on a background with the Yxy color 49.8760, 0.3987, 0.3479.

# 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

49.8760, 0.3987, 0.3479

### Protanopia

49.9842, 0.3420, 0.3620

### Deuteranopia

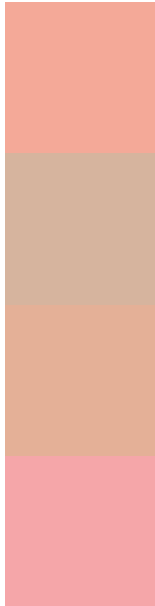
49.9046, 0.3733, 0.3650



## Tritanopia

49.7174, 0.3771, 0.3151

# Trichromacy



**Original Color**

49.8760, 0.3987, 0.3479

**Protanomaly**

49.4073, 0.3617, 0.3558

**Deuteranomaly**

49.7790, 0.3821, 0.3582

**Tritanomaly**

49.5495, 0.3845, 0.3259

# Monochromacy



**Original Color**

49.8760, 0.3987, 0.3479

**Achromatopsia**

50.8881, 0.3127, 0.3290

**Achromatomaly**

50.1458, 0.3412, 0.3364

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.8760, 0.3987, 0.3479 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, 169, 152)` looks like.

```
.text, #text, p{  
    color:rgb(244, 169, 152)  
}
```

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, 169, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 169, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 49.8760, 0.3987, 0.3479 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, 169, 152) }
```

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

```
.border{ border-color:rgb(244, 169, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 169, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 169, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 169, 152);  
box-shadow:4px 4px 4px 4px rgb(244, 169,  
152) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.8760, 0.3987, 0.3479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 169, 152) }
```

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

```
.background{ background-color: rgb(244,  
169, 152) }
```

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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