

# Converting Colors

$Y_{xy}(47.1378, 0.4243, 0.3577)$

Have a look what the booklet for  
Yxy(47.1378, 0.4243, 0.3577)  
contains.

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# Color

**Yxy(47.3507, 0.4245, 0.3582)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F9A186
RGB	249, 161, 134
RGB Percent	98%, 63%, 53%
CMY	0.0235, 0.3686, 0.4746
CMYK	0.00, 0.35, 0.46, 0.02
HSL	14°, 91%, 75%
HSV	14°, 46%, 98%
XYZ	56.1149, 47.3507, 28.7250
YIQ	184.2340, 61.1150, 10.2590

# Conversions

## Conversions Part 2

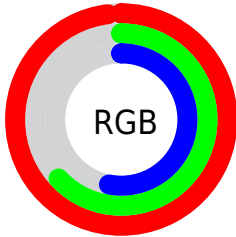
Format	Color
R <sub>Y</sub> B	249, 169, 134
Decimal	16359814
CIE Lab	74.41, 29.74, 27.61
CIE LCh	74, 40.583, 42.877
Yxy	47.3507, 0.4245, 0.3582
Android (android.graphics.Color)	4294549894 (0xFFFF9A186)
YUV	184.2340, -24.7654, 56.7998
Hunter-Lab	68.8118, 25.1431, 23.4181

# Details

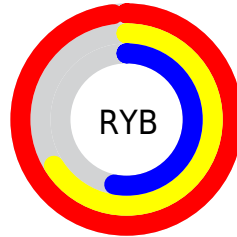
The Yxy color **47.3507, 0.4245, 0.3582** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **64.1333, 0.2451, 0.2964**, and the grayscale version is **48.1834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.9596, 0.3628, 0.3589**, and **22.5245, 0.4560, 0.3629** is the 20% darker color. If you saturate the color by 10%, you get **40.5798, 0.4611, 0.3633**, and if you desaturate by 10%, it is **55.3041, 0.3924, 0.3520**.

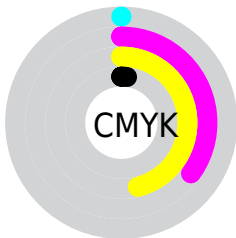
# Distribution



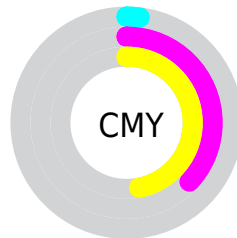
- Red (98%)
- Green (63%)
- Blue (53%)



- Red (98%)
- Yellow (66%)
- Blue (53%)



- Cyan (0%)
- Magenta (35%)
- Yellow (46%)
- Black (2%)




- Cyan (2%)
- Magenta (37%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3507, 0.4245, 0.3582 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 47.3507, 0.4245, 0.3582 by changing the saturation by 10% instead.




 47.3507, 0.4245,  
0.3582


 47.3507, 0.4245,  
0.3582


376.2126, 0.3684,  
0.3463


 33.3130, 0.4383,  
0.3602


 86.2369, 0.4042,  
0.3546

 22.3663, 0.4558,  
0.3623


 111.8541, 0.3965,  
0.3530

 14.1263, 0.4786,  
0.3641


 142.1000, 0.3901,  
0.3516

 8.2086, 0.5092,  
0.3646


177.3589, 0.3845,  
0.3503

 4.2287, 0.5516,  
0.3617

218.0152, 0.3797,  
0.3492

 1.8023, 0.6370,  
0.3630

264.4534, 0.3754,

 0.4886, 0.7175,

0.3481

0.2825

317.0577, 0.3717,  
0.3472

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

47.3507, 0.4245,  
0.3582

47.3507, 0.4245,  
0.3582

40.5798, 0.4611,  
0.3633

55.3041, 0.3924,  
0.3520

34.9269, 0.5009,  
0.3664

64.4863, 0.3650,  
0.3454

30.3319, 0.5411,  
0.3663

74.9497, 0.3420,  
0.3389

26.7258, 0.5774,  
0.3622

86.7414, 0.3229,  
0.3326

■ 24.0304, 0.6053,  
0.3543

■ 98.8809, 0.3090,  
0.3290

■ 23.2197, 0.6137,  
0.3509

# Harmonies

## Analogous

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



47.3507, 0.3994, 0.3144



47.3507, 0.4245, 0.3582



47.3507, 0.4159, 0.3997

# Triad

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



47.3507, 0.4245, 0.3582



47.3507, 0.2720, 0.3920



47.3507, 0.2445, 0.2401

# Complementary

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



47.3507, 0.4245, 0.3582



64.1333, 0.2451, 0.2964

# 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.



47.3507, 0.2172, 0.2509



47.3507, 0.4245, 0.3582



47.3507, 0.2314, 0.3357

# Square

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



47.3507, 0.4245, 0.3582



47.3507, 0.3259, 0.4275



47.3507, 0.2125, 0.2837



47.3507, 0.2914, 0.2496



# Rectangle

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



47.3507, 0.4245, 0.3582



47.3507, 0.3936, 0.4207



47.3507, 0.2125, 0.2837



47.3507, 0.2330, 0.2413

# Sweetspot

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



47.3531, 0.4245, 0.3582



81.7067, 0.3375, 0.3375



42.4658, 0.3426, 0.2393



16.9387, 0.3420, 0.3388



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.



47.3531, 0.4245, 0.3582



43.5812, 0.4568, 0.3628



72.1756, 0.3948, 0.4158



17.8872, 0.3288, 0.3346



12.6078, 0.6111, 0.3530



1.3229, 0.5885, 0.3709



# Inverse Universe

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



64.1333, 0.2451, 0.2964



63.1114, 0.2345, 0.2889



38.6889, 0.2317, 0.2224



18.8764, 0.2980, 0.3233



23.7147, 0.2031, 0.2511



2.3575, 0.2060, 0.2615



# Previews

## White Background



This preview shows how the Yxy color 47.3507, 0.4245, 0.3582 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

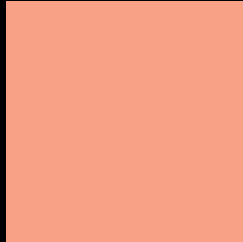
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.3507, 0.4245, 0.3582 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 47.3507, 0.4245, 0.3582**

## Background



This preview shows how black text looks on a background with the Yxy color 47.3507, 0.4245, 0.3582.



This preview shows how white text looks on a background with the Yxy color 47.3507, 0.4245, 0.3582.

# 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

47.3507, 0.4245, 0.3582

### Protanopia

47.4827, 0.3553, 0.3794

### Deuteranopia

47.5948, 0.3907, 0.3831



## Tritanopia

47.2995, 0.3954, 0.3165

# Trichromacy



## Original Color

47.3507, 0.4245, 0.3582

## Protanomaly

47.0005, 0.3803, 0.3717

## Deuteranomaly

47.4498, 0.4026, 0.3742

## Tritanomaly

47.3632, 0.4059, 0.3314

# Monochromacy



## Original Color

47.3507, 0.4245, 0.3582

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

47.2137, 0.3502, 0.3415

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.3507, 0.4245, 0.3582 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(249, 161, 134)` looks like.

```
.text, #text, p{  
    color:rgb(249, 161, 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(249, 161, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 161, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 47.3507, 0.4245, 0.3582 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(249, 161, 134) }
```

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

```
.border{ border-color:rgb(249, 161, 134) }
```

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

Here you see how a box with a 4 pixel rgb(249, 161, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 161, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 161, 134);  
box-shadow:4px 4px 4px 4px rgb(249, 161,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.3507, 0.4245, 0.3582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 161, 134) }
```

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

```
.background{ background-color: rgb(249,  
161, 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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