

# Converting Colors

$Y_{xy}(52.5485, 0.4466, 0.3537)$

Have a look what the booklet for  
Yxy(52.5485, 0.4466, 0.3537)  
contains.

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# Color

**Yxy(48.4990, 0.4289, 0.3564)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA187
RGB	255, 161, 135
RGB Percent	100%, 63%, 53%
CMY	0.0000, 0.3686, 0.4705
CMYK	0.00, 0.37, 0.47, 0.00
HSL	13°, 100%, 76%
HSV	13°, 47%, 100%
XYZ	58.3648, 48.4990, 29.2164
YIQ	186.1420, 64.3700, 11.8420

# Conversions

## Conversions Part 2

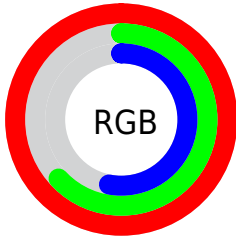
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 168, 135
Decimal	16753031
CIE <sub>Lab</sub>	75.14, 32.15, 28.14
CIE <sub>LCh</sub>	75, 42.721, 41.194
Yxy	48.4990, 0.4289, 0.3564
Android (android.graphics.Color)	4294943111 (0xFFFFA187)
YUV	186.1420, -25.2130, 60.3885
Hunter-Lab	69.6412, 27.7249, 23.8751

# Details

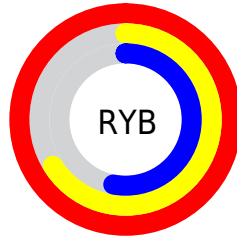
The Yxy color **48.4990, 0.4289, 0.3564** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **68.4302, 0.2445, 0.2983**, and the grayscale version is **49.3024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5165, 0.3618, 0.3589**, and **22.9831, 0.4613, 0.3593** is the 20% darker color. If you saturate the color by 10%, you get **41.4293, 0.4666, 0.3610**, and if you desaturate by 10%, it is **56.8542, 0.3958, 0.3507**.

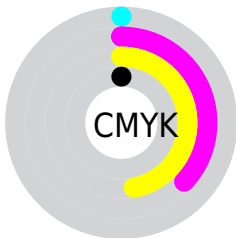
# Distribution



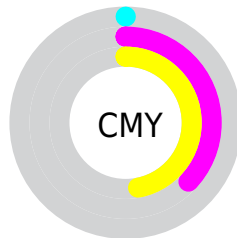
- Red (100%)
- Green (63%)
- Blue (53%)



- Red (100%)
- Yellow (66%)
- Blue (53%)



- Cyan (0%)
- Magenta (37%)
- Yellow (47%)
- Black (0%)




- Cyan (0%)
- Magenta (37%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4990, 0.4289, 0.3564 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 48.4990, 0.4289, 0.3564 by changing the saturation by 10% instead.




 48.4990, 0.4289,  
0.3564


 48.4990, 0.4289,  
0.3564


380.7666, 0.3708,  
0.3457


 34.2222, 0.4431,  
0.3581


 87.9469, 0.4079,  
0.3532

 23.0644, 0.4611,  
0.3597


 113.8868, 0.4000,  
0.3518

 14.6410, 0.4844,  
0.3608


 144.4832, 0.3933,  
0.3505

 8.5679, 0.5155,  
0.3605

180.1205, 0.3875,  
0.3494

 4.4604, 0.5584,  
0.3564

221.1831, 0.3825,  
0.3483

 1.9343, 0.6441,  
0.3559

268.0554, 0.3781,

 0.5689, 0.7145,

0.3473

0.2855

321.1218, 0.3743,  
0.3465

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

48.4990, 0.4289,  
0.3564

48.4990, 0.4289,  
0.3564

41.4293, 0.4666,  
0.3610

56.8542, 0.3958,  
0.3507

35.5832, 0.5074,  
0.3634

66.5591, 0.3676,  
0.3447

30.8883, 0.5482,  
0.3628

77.6692, 0.3440,  
0.3386

27.2654, 0.5844,  
0.3583

90.2378, 0.3244,  
0.3328

■ 24.6236, 0.6112,  
0.3503

100.0000, 0.3127,  
0.3290

■ 24.0106, 0.6175,  
0.3479

# Harmonies

## Analogous

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



48.4990, 0.4009, 0.3112



48.4990, 0.4289, 0.3564



48.4990, 0.4216, 0.4000

# Triad

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



48.4990, 0.4289, 0.3564



48.4990, 0.2730, 0.3979



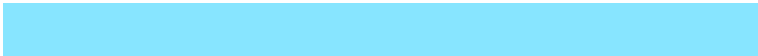
48.4990, 0.2395, 0.2367

# Complementary

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



48.4990, 0.4289, 0.3564



68.4302, 0.2445, 0.2983

# 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.



48.4990, 0.2125, 0.2489



48.4990, 0.4289, 0.3564



48.4990, 0.2298, 0.3392

# Square

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



48.4990, 0.4289, 0.3564



48.4990, 0.3294, 0.4332



48.4990, 0.2090, 0.2841



48.4990, 0.2872, 0.2455



# Rectangle

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



48.4990, 0.4289, 0.3564



48.4990, 0.3993, 0.4229



48.4990, 0.2090, 0.2841



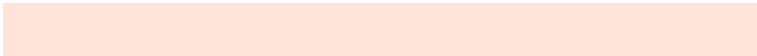
48.4990, 0.2280, 0.2383

# Sweetspot

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



48.4978, 0.4289, 0.3564



81.3432, 0.3376, 0.3368



44.3655, 0.3395, 0.2341



16.8511, 0.3421, 0.3381



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.



48.4978, 0.4289, 0.3564



42.1115, 0.4625, 0.3606



73.6774, 0.3985, 0.4138



18.6242, 0.3289, 0.3342



12.7221, 0.6149, 0.3499



1.3903, 0.5939, 0.3666



# Inverse Universe

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



68.4302, 0.2445, 0.2983



64.0389, 0.2341, 0.2914



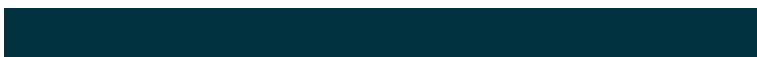
41.5063, 0.2310, 0.2250



19.7749, 0.2980, 0.3237



25.5394, 0.2049, 0.2576



2.6444, 0.2074, 0.2667



# Previews

## White Background



This preview shows how the Yxy color 48.4990, 0.4289, 0.3564 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

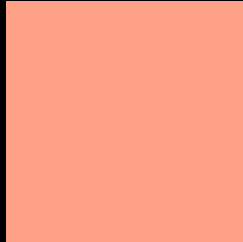
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.4990, 0.4289, 0.3564 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 48.4990, 0.4289, 0.3564**

## Background



This preview shows how black text looks on a background with the Yxy color 48.4990, 0.4289, 0.3564.



This preview shows how white text looks on a background with the Yxy color 48.4990, 0.4289, 0.3564.

# 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

48.4990, 0.4289, 0.3564

### Protanopia

48.6436, 0.3549, 0.3789

### Deuteranopia

48.7224, 0.3907, 0.3838



## Tritanopia

48.5783, 0.3965, 0.3177

# Trichromacy



## Original Color

48.4990, 0.4289, 0.3564

## Protanomaly

47.9091, 0.3809, 0.3700

## Deuteranomaly

48.5221, 0.4049, 0.3735

## Tritanomaly

48.4906, 0.4082, 0.3314

# Monochromacy



## Original Color

48.4990, 0.4289, 0.3564

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

48.0832, 0.3518, 0.3413

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4990, 0.4289, 0.3564 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(255, 161, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 135)  
}
```

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(255, 161, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4990, 0.4289, 0.3564 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(255, 161, 135) }
```

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

```
.border{ border-color:rgb(255, 161, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 161, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 161, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 161, 135); box-shadow:4px 4px 4px 4px rgb(255, 161, 135) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4990, 0.4289, 0.3564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 135) }
```

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

```
.background{ background-color: rgb(255,  
161, 135) }
```

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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