

# Converting Colors

$Y_{xy}(48.6753, 0.4268, 0.3548)$

Have a look what the booklet for  
Yxy(48.6753, 0.4268, 0.3548)  
contains.

<b>Yxy(48.5559, 0.4270, 0.3544)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(48.5559, 0.4270, 0.3544)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA189
RGB	255, 161, 137
RGB Percent	100%, 63%, 54%
CMY	0.0000, 0.3686, 0.4628
CMYK	0.00, 0.37, 0.46, 0.00
HSL	12°, 100%, 77%
HSV	12°, 46%, 100%
XYZ	58.5027, 48.5559, 29.9501
YIQ	186.3700, 63.7280, 12.4640

# Conversions

## Conversions Part 2

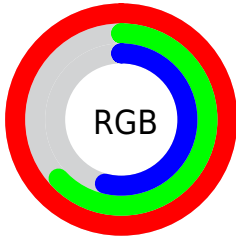
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 167, 137
Decimal	16753033
CIE Lab	75.17, 32.33, 27.13
CIE LCh	75, 42.202, 40.001
Yxy	48.5559, 0.4270, 0.3544
Android (android.graphics.Color)	4294943113 (0xFFFFA189)
YUV	186.3700, -24.3394, 60.1885
Hunter-Lab	69.6821, 27.9190, 23.2940

# Details

The Yxy color **48.5559, 0.4270, 0.3544** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **69.6806, 0.2458, 0.3008**, and the grayscale version is **49.4323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6473, 0.3596, 0.3558**, and **23.0153, 0.4587, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **41.3771, 0.4649, 0.3588**, and if you desaturate by 10%, it is **57.0609, 0.3939, 0.3490**.

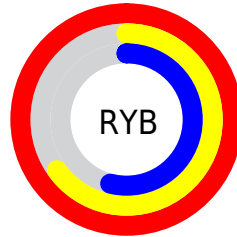
# Distribution



Red (100%)

Green (63%)

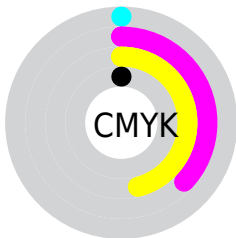
Blue (54%)



Red (100%)

Yellow (65%)

Blue (54%)

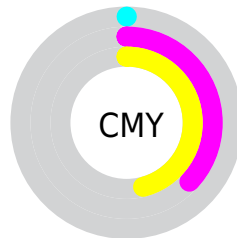


Cyan (0%)

Magenta (37%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (37%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5559, 0.4270, 0.3544 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 48.5559, 0.4270, 0.3544 by changing the saturation by 10% instead.





 48.5559, 0.4270,  
0.3544

 48.5559, 0.4270,  
0.3544

380.9914, 0.3698,  
0.3445


 34.2673, 0.4410,  
0.3559


 88.0315, 0.4064,  
0.3515

 23.0990, 0.4587,  
0.3574


 113.9873, 0.3986,  
0.3502

 14.6667, 0.4818,  
0.3583


 144.6010, 0.3920,  
0.3490

 8.5858, 0.5127,  
0.3579

180.2570, 0.3863,  
0.3479

 4.4720, 0.5554,  
0.3537

221.3396, 0.3813,  
0.3470

 1.9409, 0.6447,  
0.3553

268.2333, 0.3770,

 0.5728, 0.7148,

0.3461

0.2852

321.3224, 0.3732,  
0.3453

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

48.5559, 0.4270,  
0.3544

48.5559, 0.4270,  
0.3544

41.3771, 0.4649,  
0.3588

57.0609, 0.3939,  
0.3490

35.4561, 0.5061,  
0.3612

66.9548, 0.3658,  
0.3433

30.7190, 0.5475,  
0.3607

78.2965, 0.3424,  
0.3376

27.0832, 0.5845,  
0.3566

91.1415, 0.3231,  
0.3322

■ 24.4549, 0.6120,  
0.3490

100.0000, 0.3127,  
0.3290

■ 23.7063, 0.6198,  
0.3460

# Harmonies

## Analogous

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



48.5559, 0.3980, 0.3097



48.5559, 0.4270, 0.3544



48.5559, 0.4212, 0.3977

# Triad

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



48.5559, 0.4270, 0.3544



48.5559, 0.2756, 0.3990



48.5559, 0.2389, 0.2378

# Complementary

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



48.5559, 0.4270, 0.3544



69.6806, 0.2458, 0.3008

# 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.



48.5559, 0.2130, 0.2508



48.5559, 0.4270, 0.3544



48.5559, 0.2321, 0.3415

# Square

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



48.5559, 0.4270, 0.3544



48.5559, 0.3316, 0.4324



48.5559, 0.2105, 0.2865



48.5559, 0.2853, 0.2457



# Rectangle

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



48.5559, 0.4270, 0.3544



48.5559, 0.3999, 0.4207



48.5559, 0.2105, 0.2865



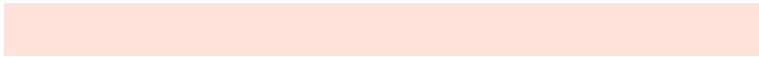
48.5559, 0.2278, 0.2397

# Sweetspot

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



48.5560, 0.4270, 0.3544



81.0907, 0.3377, 0.3363



44.9395, 0.3390, 0.2356



16.7903, 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.



48.5560, 0.4270, 0.3544



41.5605, 0.4638, 0.3587



74.0403, 0.3969, 0.4125



18.5856, 0.3289, 0.3339



12.5545, 0.6174, 0.3480

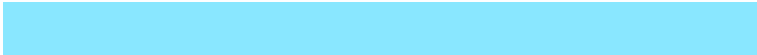


1.3688, 0.5967, 0.3644



# Inverse Universe

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



69.6806, 0.2458, 0.3008



65.0385, 0.2346, 0.2938



42.1912, 0.2324, 0.2270



19.8166, 0.2980, 0.3240



26.3369, 0.2062, 0.2621

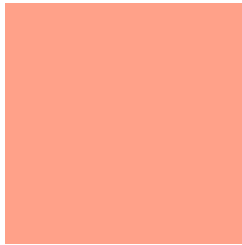


2.7156, 0.2085, 0.2706



# Previews

## White Background



This preview shows how the Yxy color 48.5559, 0.4270, 0.3544 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

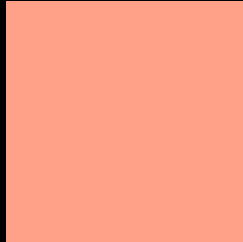
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.5559, 0.4270, 0.3544 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 48.5559, 0.4270, 0.3544**

## Background



This preview shows how black text looks on a background with the Yxy color 48.5559, 0.4270, 0.3544.



This preview shows how white text looks on a background with the Yxy color 48.5559, 0.4270, 0.3544.

# 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

48.5559, 0.4270, 0.3544

### Protanopia

48.7064, 0.3532, 0.3763

### Deuteranopia

48.7777, 0.3890, 0.3815



## Tritanopia

48.5783, 0.3965, 0.3177

# Trichromacy



**Original Color**

48.5559, 0.4270, 0.3544

**Protanomaly**

47.9697, 0.3792, 0.3676

**Deuteranomaly**

48.5780, 0.4031, 0.3713

**Tritanomaly**

48.4906, 0.4082, 0.3314

# Monochromacy



**Original Color**

48.5559, 0.4270, 0.3544

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

48.1203, 0.3509, 0.3401

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.5559, 0.4270, 0.3544 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 137)  
}
```

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, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 48.5559, 0.4270, 0.3544 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, 137) }
```

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

```
.border{ border-color:rgb(255, 161, 137) }
```

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, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.5559, 0.4270, 0.3544 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, 137) }
```

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

```
.background{ background-color: rgb(255,  
161, 137) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor