

# Converting Colors

$Y_{xy}(40.9378, 0.4883, 0.3572)$

Have a look what the booklet for  
Yxy(40.9378, 0.4883, 0.3572)  
contains.

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# Color

**Yxy(39.0143, 0.4790, 0.3589)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8567
RGB	255, 133, 103
RGB Percent	100%, 52%, 40%
CMY	0.0001, 0.4783, 0.5960
CMYK	0.00, 0.48, 0.60, 0.00
HSL	12°, 100%, 70%
HSV	12°, 60%, 100%
XYZ	52.0698, 39.0143, 17.6211
YIQ	166.0580, 82.3420, 16.5340

# Conversions

## Conversions Part 2

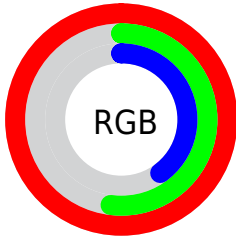
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 140, 103
Decimal	16745831
CIE Lab	68.76, 43.77, 37.15
CIE LCh	69, 57.410, 40.324
Yxy	39.0143, 0.4790, 0.3589
Android (android.graphics.Color)	4294935911 (0xFFFF8567)
YUV	166.0580, -31.0876, 78.0021
Hunter-Lab	62.4614, 39.4957, 26.9966

# Details

The Yxy color **39.0143, 0.4790, 0.3589** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **63.9348, 0.2311, 0.2923**, and the grayscale version is **38.2893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5930, 0.3976, 0.3638**, and **17.3506, 0.5266, 0.3576** is the 20% darker color. If you saturate the color by 10%, you get **33.5111, 0.5210, 0.3604**, and if you desaturate by 10%, it is **45.7691, 0.4395, 0.3552**.

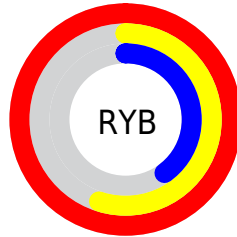
# Distribution



Red (100%)

Green (52%)

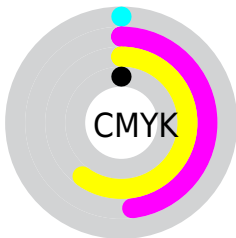
Blue (40%)



Red (100%)

Yellow (55%)

Blue (40%)

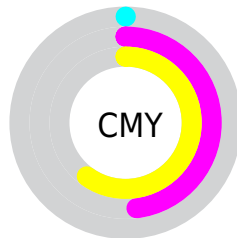


Cyan (0%)

Magenta (48%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (48%)


Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.0143, 0.4790, 0.3589 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 39.0143, 0.4790, 0.3589 by changing the saturation by 10% instead.




 39.0143, 0.4790,  
0.3589


 39.0143, 0.4790,  
0.3589


341.9513, 0.3937,  
0.3497


 26.7709, 0.5000,  
0.3590


 73.6602, 0.4480,  
0.3571


 17.4012, 0.5264,  
0.3578


 96.8314, 0.4363,  
0.3560

 10.5210, 0.5602,  
0.3538


 124.4139, 0.4265,  
0.3548

 5.7457, 0.6039,  
0.3441

 156.7923, 0.4180,  
0.3537

 2.6911, 0.6722,  
0.3278

194.3508, 0.4107,  
0.3526

 0.9727, 0.7271,  
0.2729

237.4739, 0.4043,

 0.0000, 1.0000,

0.3516

0.0000

286.5459, 0.3987,  
0.3506

■ 0.0000, 0.0000,  
0.0000

■ 39.0143, 0.4790,  
0.3589

■ 39.0143, 0.4790,  
0.3589

■ 33.5111, 0.5210,  
0.3604

■ 45.7691, 0.4395,  
0.3552

■ 29.1749, 0.5617,  
0.3587

■ 53.8407, 0.4046,  
0.3502

■ 25.9202, 0.5961,  
0.3534

■ 63.2969, 0.3747,  
0.3447

■ 23.6406, 0.6201,  
0.3455

■ 74.1991, 0.3498,  
0.3392

■ 23.5670, 0.6209,  
0.3452

■ 86.6051, 0.3291,  
0.3338

99.9955, 0.3127,  
0.3290

# Harmonies

## Analogous

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



39.0143, 0.4383, 0.2996



39.0143, 0.4790, 0.3589



39.0143, 0.4658, 0.4198

# Triad

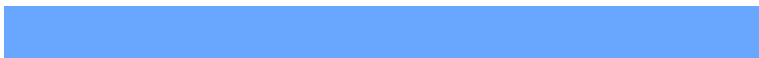
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



39.0143, 0.4790, 0.3589



39.0143, 0.2557, 0.4349



39.0143, 0.2093, 0.2026

# Complementary

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



39.0143, 0.4790, 0.3589



63.9348, 0.2311, 0.2923

# 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.



39.0143, 0.1753, 0.2171



39.0143, 0.4790, 0.3589



39.0143, 0.1974, 0.3437

# Square

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



39.0143, 0.4790, 0.3589



39.0143, 0.3339, 0.4847



39.0143, 0.1707, 0.2634



39.0143, 0.2727, 0.2146



# Rectangle

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



39.0143, 0.4790, 0.3589



39.0143, 0.4325, 0.4563



39.0143, 0.1707, 0.2634



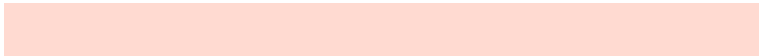
39.0143, 0.1947, 0.2043

# Sweetspot

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



39.0164, 0.4790, 0.3589



76.0966, 0.3462, 0.3383



36.5110, 0.3464, 0.2109



15.5610, 0.3528, 0.3399



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.



39.0164, 0.4790, 0.3589



32.3732, 0.5311, 0.3603



66.7901, 0.4255, 0.4309



18.5677, 0.3289, 0.3338



12.4803, 0.6185, 0.3471



1.3591, 0.5980, 0.3634



# Inverse Universe

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



63.9348, 0.2311, 0.2923



59.1033, 0.2202, 0.2833



32.2793, 0.2092, 0.1945



19.8360, 0.2980, 0.3242



26.7129, 0.2067, 0.2642



2.7490, 0.2090, 0.2724



# Previews

## White Background



This preview shows how the Yxy color 39.0143, 0.4790, 0.3589 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 39.0143, 0.4790, 0.3589 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 39.0143, 0.4790, 0.3589**

## Background



This preview shows how black text looks on a background with the Yxy color 39.0143, 0.4790, 0.3589.



This preview shows how white text looks on a background with the Yxy color 39.0143, 0.4790, 0.3589.

# 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

39.0143, 0.4790, 0.3589

### Protanopia

39.2347, 0.3717, 0.3995

### Deuteranopia

39.0026, 0.4165, 0.4066



## Tritanopia

39.0602, 0.4425, 0.3212

# Trichromacy



**Original Color**

39.0143, 0.4790, 0.3589

**Protanomaly**

38.1679, 0.4109, 0.3830

**Deuteranomaly**

38.4208, 0.4398, 0.3872

**Tritanomaly**

38.9733, 0.4568, 0.3355

# Monochromacy



**Original Color**

39.0143, 0.4790, 0.3589

**Achromatopsia**

38.1326, 0.3127, 0.3290

**Achromatomaly**

37.1001, 0.3687, 0.3437

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.0143, 0.4790, 0.3589 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, 133, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 103)  
}
```

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, 133, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 103) }
```

## Border

The CSS property to change the border of an element to Yxy 39.0143, 0.4790, 0.3589 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, 133, 103) }
```

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

```
.border{ border-color:rgb(255, 133, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 133, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
103) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.0143, 0.4790, 0.3589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 103) }
```

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

```
.background{ background-color: rgb(255,  
133, 103) }
```

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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