

# Converting Colors

Yxy(37.9841, 0.4830, 0.3561)

Have a look what the booklet for  
Yxy(37.9841, 0.4830, 0.3561)  
contains.

<b>Yxy(37.9198, 0.4831, 0.3558)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(37.9198, 0.4831, 0.3558)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8166
RGB	255, 129, 102
RGB Percent	100%, 51%, 40%
CMY	0.0000, 0.4941, 0.6001
CMYK	0.00, 0.49, 0.60, 0.00
HSL	11°, 100%, 70%
HSV	11°, 60%, 100%
XYZ	51.4869, 37.9198, 17.1694
YIQ	163.5960, 83.7630, 18.3150

# Conversions

## Conversions Part 2

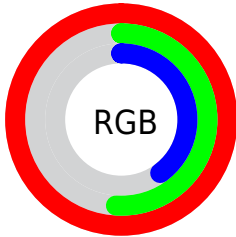
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 135, 102
Decimal	16744806
CIE <sub>Lab</sub>	67.96, 45.69, 36.71
CIE <sub>LCh</sub>	68, 58.608, 38.783
Yxy	37.9198, 0.4831, 0.3558
Android (android.graphics.Color)	4294934886 (0xFFFF8166)
YUV	163.5960, -30.3668, 80.1613
Hunter-Lab	61.5791, 41.4825, 26.5742

# Details

The Yxy color **37.9198, 0.4831, 0.3558** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **65.5092, 0.2316, 0.2960**, and the grayscale version is **37.0404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8741, 0.4002, 0.3607**, and **16.7727, 0.5324, 0.3538** is the 20% darker color. If you saturate the color by 10%, you get **32.5166, 0.5260, 0.3569**, and if you desaturate by 10%, it is **44.6188, 0.4427, 0.3526**.

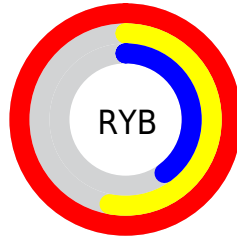
# Distribution



Red (100%)

Green (51%)

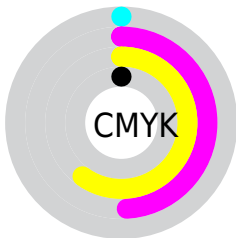
Blue (40%)



Red (100%)

Yellow (53%)

Blue (40%)

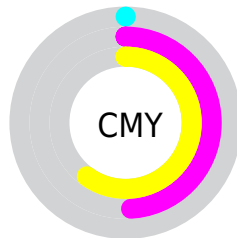


Cyan (0%)

Magenta (49%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (49%)


Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.9198, 0.4831, 0.3558 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 37.9198, 0.4831, 0.3558 by changing the saturation by 10% instead.





 37.9198, 0.4831,  
0.3558


 37.9198, 0.4831,  
0.3558


337.2758, 0.3953,  
0.3483

 25.9204, 0.5048,  
0.3554


 71.9852, 0.4511,  
0.3547


 16.7641, 0.5322,  
0.3535


 94.8200, 0.4391,  
0.3538

 10.0665, 0.5673,  
0.3485


 122.0355, 0.4289,  
0.3528

 5.4431, 0.6129,  
0.3373

 154.0159, 0.4202,  
0.3518

 2.5095, 0.6822,  
0.3178

191.1458, 0.4127,  
0.3509

 0.8814, 0.7404,  
0.2596

233.8095, 0.4062,

 0.0000, 1.0000,

0.3500

0.0000

282.3914, 0.4004,  
0.3491

0.0000, 0.0000,  
0.0000

37.9198, 0.4831,  
0.3558

37.9198, 0.4831,  
0.3558

32.5166, 0.5260,  
0.3569

44.6188, 0.4427,  
0.3526

28.3183, 0.5672,  
0.3550

52.6846, 0.4068,  
0.3482

25.2314, 0.6013,  
0.3498

62.1900, 0.3763,  
0.3433

23.1402, 0.6243,  
0.3425

73.2011, 0.3509,  
0.3383

85.7797, 0.3300,  
0.3335

99.9841, 0.3127,  
0.3290

99.9995, 0.3127,  
0.3290

# Harmonies

## Analogous

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



37.9198, 0.4386, 0.2956



37.9198, 0.4831, 0.3558



37.9198, 0.4717, 0.4184

# Triad

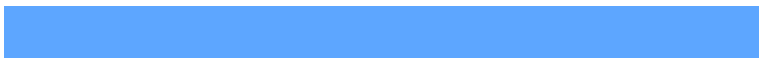
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.9198, 0.4831, 0.3558



37.9198, 0.2576, 0.4427



37.9198, 0.2041, 0.1996

# Complementary

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



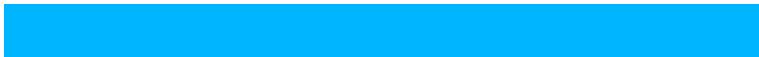
37.9198, 0.4831, 0.3558



65.5092, 0.2316, 0.2960

# 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.



37.9198, 0.1710, 0.2156



37.9198, 0.4831, 0.3558



37.9198, 0.1965, 0.3488

# Square

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



37.9198, 0.4831, 0.3558



37.9198, 0.3383, 0.4905



37.9198, 0.1678, 0.2646



37.9198, 0.2674, 0.2106



# Rectangle

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



37.9198, 0.4831, 0.3558



37.9198, 0.4385, 0.4566



37.9198, 0.1678, 0.2646



37.9198, 0.1897, 0.2017

# Sweetspot

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



37.9218, 0.4831, 0.3558



75.6022, 0.3464, 0.3373



36.4423, 0.3440, 0.2082



15.4425, 0.3530, 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.



37.9218, 0.4831, 0.3558



31.5881, 0.5345, 0.3568



65.3994, 0.4281, 0.4292



18.5058, 0.3290, 0.3333



12.2409, 0.6220, 0.3443



1.3271, 0.6023, 0.3599

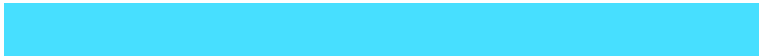


# Inverse Universe

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



65.5092, 0.2316, 0.2960



61.1165, 0.2215, 0.2883



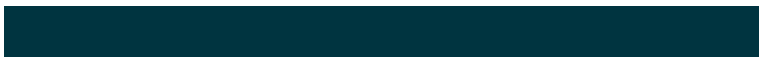
32.8202, 0.2093, 0.1967



19.9032, 0.2980, 0.3247



28.0427, 0.2087, 0.2714



2.8670, 0.2108, 0.2787



# Previews

## White Background



This preview shows how the Yxy color 37.9198, 0.4831, 0.3558 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 37.9198, 0.4831, 0.3558 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 37.9198, 0.4831, 0.3558**

## Background



This preview shows how black text looks on a background with the Yxy color 37.9198, 0.4831, 0.3558.



This preview shows how white text looks on a background with the Yxy color 37.9198, 0.4831, 0.3558.

# 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

37.9198, 0.4831, 0.3558

### Protanopia

38.1405, 0.3695, 0.3977

### Deuteranopia

37.8548, 0.4166, 0.4076



## Tritanopia

37.9029, 0.4492, 0.3213

# Trichromacy



## Original Color

37.9198, 0.4831, 0.3558

## Protanomaly

37.2177, 0.4100, 0.3811

## Deuteranomaly

37.1214, 0.4420, 0.3864

## Tritanomaly

37.8439, 0.4626, 0.3345

# Monochromacy



## Original Color

37.9198, 0.4831, 0.3558

## Achromatopsia

37.1238, 0.3127, 0.3290

## Achromatomaly

35.9266, 0.3708, 0.3425

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.9198, 0.4831, 0.3558 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, 129, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 102)  
}
```

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, 129, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 37.9198, 0.4831, 0.3558 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, 129, 102) }
```

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

```
.border{ border-color:rgb(255, 129, 102) }
```

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

Here you see how a box with a 4 pixel rgb(255, 129, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.9198, 0.4831, 0.3558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 102) }
```

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

```
.background{ background-color: rgb(255,  
129, 102) }
```

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