

# Converting Colors

$Y_{xy}(41.2030, 0.4752, 0.3583)$

Have a look what the booklet for  
Yxy(41.2030, 0.4752, 0.3583)  
contains.

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# Color

**Yxy(40.2340, 0.4710, 0.3583)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF896C
RGB	255, 137, 108
RGB Percent	100%, 54%, 42%
CMY	0.0001, 0.4627, 0.5764
CMYK	0.00, 0.46, 0.58, 0.00
HSL	12°, 100%, 71%
HSV	12°, 58%, 100%
XYZ	52.8892, 40.2340, 19.1681
YIQ	168.9760, 79.6370, 15.9970

# Conversions

## Conversions Part 2

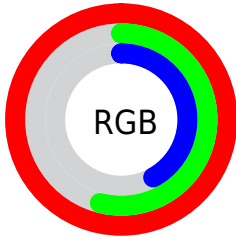
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 144, 108
Decimal	16746860
CIE <sub>Lab</sub>	69.64, 42.14, 35.56
CIE <sub>LCh</sub>	70, 55.134, 40.160
Yxy	40.2340, 0.4710, 0.3583
Android (android.graphics.Color)	4294936940 (0xFFFF896C)
YUV	168.9760, -30.0612, 75.4430
Hunter-Lab	63.4303, 37.8333, 26.4842

# Details

The Yxy color **40.2340, 0.4710, 0.3583** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **64.7902, 0.2331, 0.2937**, and the grayscale version is **39.7881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4973, 0.3918, 0.3627**, and **18.0043, 0.5158, 0.3575** is the 20% darker color. If you saturate the color by 10%, you get **34.4922, 0.5127, 0.3603**, and if you desaturate by 10%, it is **47.2424, 0.4323, 0.3543**.

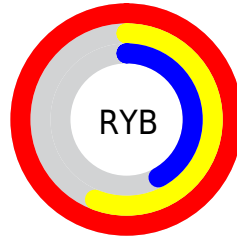
# Distribution



Red (100%)

Green (54%)

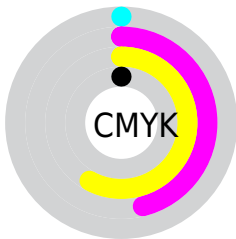
Blue (42%)



Red (100%)

Yellow (56%)

Blue (42%)

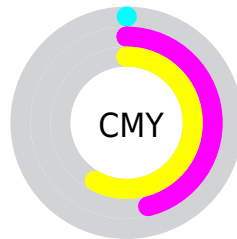


Cyan (0%)

Magenta (46%)

Yellow (58%)

Black (0%)



Cyan (0%)

Magenta (46%)


Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.2340, 0.4710, 0.3583 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 40.2340, 0.4710, 0.3583 by changing the saturation by 10% instead.





 40.2340, 0.4710,  
0.3583


 40.2340, 0.4710,  
0.3583


347.1089, 0.3901,  
0.3488

 27.7210, 0.4910,  
0.3587


 75.5197, 0.4416,  
0.3562

 18.1155, 0.5162,  
0.3581


 99.0612, 0.4305,  
0.3551

 11.0329, 0.5485,  
0.3551


 127.0478, 0.4211,  
0.3539

 6.0890, 0.5906,  
0.3471

 159.8637, 0.4131,  
0.3527

 2.8993, 0.6629,  
0.3371

197.8933, 0.4062,  
0.3517

 1.0794, 0.7147,  
0.2853

241.5211, 0.4001,

 0.0000, 1.0000,

0.3506

0.0000

291.1315, 0.3948,  
0.3497

0.0000, 0.0000,  
0.0000

40.2340, 0.4710,  
0.3583

40.2340, 0.4710,  
0.3583

34.4922, 0.5127,  
0.3603

47.2424, 0.4323,  
0.3543

29.9338, 0.5541,  
0.3593

55.5812, 0.3983,  
0.3492

26.4752, 0.5901,  
0.3547

65.3176, 0.3695,  
0.3436

24.0172, 0.6160,  
0.3470

76.5121, 0.3454,  
0.3381

23.5662, 0.6209,  
0.3452

89.2218, 0.3255,  
0.3328

99.9974, 0.3127,  
0.3290

# Harmonies

## Analogous

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



40.2340, 0.4318, 0.3010



40.2340, 0.4710, 0.3583



40.2340, 0.4594, 0.4167

# Triad

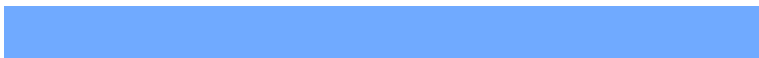
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.2340, 0.4710, 0.3583



40.2340, 0.2592, 0.4294



40.2340, 0.2135, 0.2078

# Complementary

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



40.2340, 0.4710, 0.3583



64.7902, 0.2331, 0.2937

# 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.



40.2340, 0.1807, 0.2222



40.2340, 0.4710, 0.3583



40.2340, 0.2028, 0.3438

# Square

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



40.2340, 0.4710, 0.3583



40.2340, 0.3342, 0.4765



40.2340, 0.1766, 0.2673



40.2340, 0.2744, 0.2191



# Rectangle

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



40.2340, 0.4710, 0.3583



40.2340, 0.4282, 0.4510



40.2340, 0.1766, 0.2673



40.2340, 0.1994, 0.2095

# Sweetspot

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



40.2361, 0.4710, 0.3583



77.2899, 0.3440, 0.3377



37.5884, 0.3450, 0.2140



16.0320, 0.3484, 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.



40.2361, 0.4710, 0.3583



33.8088, 0.5185, 0.3603



67.6689, 0.4215, 0.4282



18.5673, 0.3289, 0.3338



12.4787, 0.6185, 0.3471



1.3589, 0.5981, 0.3633

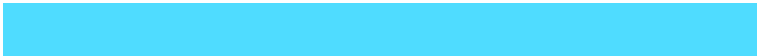


# Inverse Universe

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



64.7902, 0.2331, 0.2937



60.2161, 0.2226, 0.2855



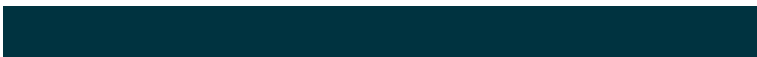
33.7019, 0.2126, 0.1997



19.8364, 0.2980, 0.3242



26.7214, 0.2067, 0.2643



2.7498, 0.2090, 0.2725



# Previews

## White Background



This preview shows how the Yxy color 40.2340, 0.4710, 0.3583 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

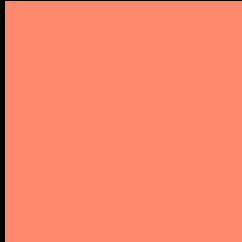
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.2340, 0.4710, 0.3583 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 40.2340, 0.4710, 0.3583**

## Background



This preview shows how black text looks on a background with the Yxy color 40.2340, 0.4710, 0.3583.



This preview shows how white text looks on a background with the Yxy color 40.2340, 0.4710, 0.3583.

# 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

40.2340, 0.4710, 0.3583

### Protanopia

40.3203, 0.3693, 0.3961

### Deuteranopia

40.4391, 0.4120, 0.4037



## Tritanopia

40.2934, 0.4347, 0.3201

# Trichromacy



**Original Color**

40.2340, 0.4710, 0.3583

**Protanomaly**

39.4163, 0.4062, 0.3816

**Deuteranomaly**

39.9784, 0.4331, 0.3861

**Tritanomaly**

40.1997, 0.4488, 0.3345

# Monochromacy



**Original Color**

40.2340, 0.4710, 0.3583

**Achromatopsia**

39.6755, 0.3127, 0.3290

**Achromatomaly**

38.4999, 0.3657, 0.3422

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.2340, 0.4710, 0.3583 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, 137, 108)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 108)  
}
```

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, 137, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 108) }
```

## Border

The CSS property to change the border of an element to Yxy 40.2340, 0.4710, 0.3583 is called "border". The border property can be set on classes, ids or directly on the HTML element.

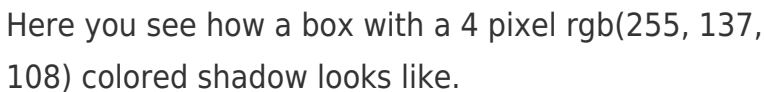
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 137, 108) }
```

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

```
.border{ border-color:rgb(255, 137, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 137, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 137, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 137, 108); box-shadow:4px 4px 4px 4px rgb(255, 137, 108) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.2340, 0.4710, 0.3583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 108) }
```

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

```
.background{ background-color: rgb(255,  
137, 108) }
```

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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