

# Converting Colors

$Y_{xy}(44.7842, 0.5014, 0.3636)$

Have a look what the booklet for  
Yxy(44.7842, 0.5014, 0.3636)  
contains.

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# **Color**

**Yxy(40.0144, 0.4818, 0.3683)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8961
RGB	255, 137, 97
RGB Percent	100%, 54%, 38%
CMY	0.0000, 0.4627, 0.6194
CMYK	0.00, 0.46, 0.62, 0.00
HSL	15°, 100%, 69%
HSV	15°, 62%, 100%
XYZ	52.3457, 40.0144, 16.2861
YIQ	167.7220, 83.1680, 12.5760

# Conversions

## Conversions Part 2

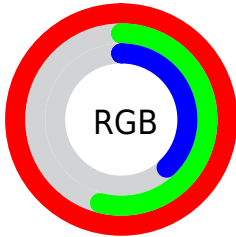
Format	Color
R <sub>Y</sub> B	255, 151, 97
Decimal	16746849
CIE Lab	69.48, 41.40, 41.21
CIE LCh	69, 58.414, 44.874
Yxy	40.0144, 0.4818, 0.3683
Android (android.graphics.Color)	4294936929 (0xFFFF8961)
YUV	167.7220, -34.8659, 76.5428
Hunter-Lab	63.2569, 37.0109, 29.0151

# Details

The Yxy color **40.0144, 0.4818, 0.3683** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **58.3896, 0.2262, 0.2793**, and the grayscale version is **39.1611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1292, 0.4009, 0.3741**, and **18.0562, 0.5277, 0.3694** is the 20% darker color. If you saturate the color by 10%, you get **34.6679, 0.5215, 0.3700**, and if you desaturate by 10%, it is **46.4736, 0.4438, 0.3638**.

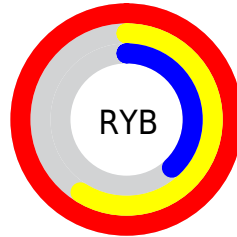
# Distribution



Red (100%)

Green (54%)

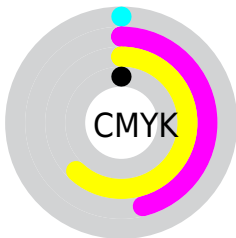
Blue (38%)



Red (100%)

Yellow (59%)

Blue (38%)

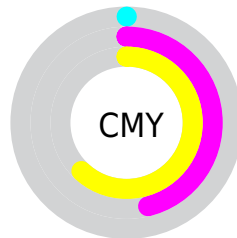


Cyan (0%)

Magenta (46%)

Yellow (62%)

Black (0%)



Cyan (0%)

Magenta (46%)


Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.0144, 0.4818, 0.3683 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 40.0144, 0.4818, 0.3683 by changing the saturation by 10% instead.





 40.0144, 0.4818,  
0.3683


 40.0144, 0.4818,  
0.3683


346.1843, 0.3959,  
0.3550

 27.5498, 0.5026,  
0.3692


 75.1854, 0.4508,  
0.3652


 17.9865, 0.5285,  
0.3688


 98.6606, 0.4391,  
0.3635

 10.9403, 0.5610,  
0.3656


 126.5748, 0.4291,  
0.3619

 6.0267, 0.6031,  
0.3571

 159.3124, 0.4206,  
0.3603

 2.8613, 0.6610,  
0.3390

197.2577, 0.4132,  
0.3588

 1.0598, 0.7127,  
0.2873

240.7952, 0.4067,

 0.0000, 1.0000,

0.3575

0.0000

290.3093, 0.4010,  
0.3562

0.0000, 0.0000,  
0.0000

40.0144, 0.4818,  
0.3683

40.0144, 0.4818,  
0.3683

34.6679, 0.5215,  
0.3700

46.4736, 0.4438,  
0.3638

30.3630, 0.5594,  
0.3677

54.0998, 0.4095,  
0.3577

27.0283, 0.5911,  
0.3612

62.9503, 0.3798,  
0.3507

24.9835, 0.6102,  
0.3537

73.0766, 0.3545,  
0.3436

84.5276, 0.3334,  
0.3367

97.3492, 0.3158,  
0.3302

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



40.0144, 0.4490, 0.3080



40.0144, 0.4818, 0.3683



40.0144, 0.4608, 0.4293

# Triad

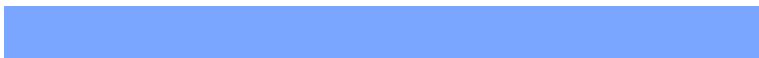
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.0144, 0.4818, 0.3683



40.0144, 0.2445, 0.4233



40.0144, 0.2163, 0.2019

# Complementary

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



40.0144, 0.4818, 0.3683



58.3896, 0.2262, 0.2793

# 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.



40.0144, 0.1776, 0.2121



40.0144, 0.4818, 0.3683



40.0144, 0.1903, 0.3297

# Square

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



40.0144, 0.4818, 0.3683



40.0144, 0.3216, 0.4829



40.0144, 0.1685, 0.2534



40.0144, 0.2843, 0.2176



# Rectangle

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



40.0144, 0.4818, 0.3683



40.0144, 0.4237, 0.4643



40.0144, 0.1685, 0.2534



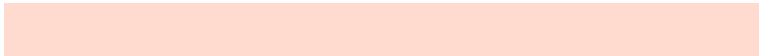
40.0144, 0.2001, 0.2022

# Sweetspot

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



40.0162, 0.4818, 0.3683



76.3044, 0.3479, 0.3415



34.7516, 0.3596, 0.2160



15.6599, 0.3544, 0.3436



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.



40.0162, 0.4818, 0.3683



33.6983, 0.5296, 0.3699



70.9865, 0.4232, 0.4429



18.7336, 0.3288, 0.3351



13.2535, 0.6074, 0.3559



1.4559, 0.5857, 0.3731



# Inverse Universe

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



58.3896, 0.2262, 0.2793



53.1452, 0.2151, 0.2678



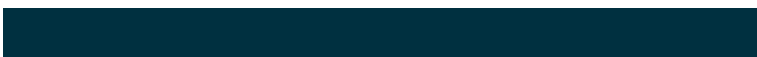
27.5246, 0.2022, 0.1746



19.6576, 0.2980, 0.3228



23.3800, 0.2013, 0.2447



2.4507, 0.2043, 0.2554



# Previews

## White Background



This preview shows how the Yxy color 40.0144, 0.4818, 0.3683 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

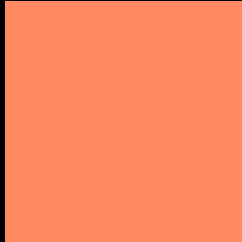
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.0144, 0.4818, 0.3683 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 40.0144, 0.4818, 0.3683**

## Background



This preview shows how black text looks on a background with the Yxy color 40.0144, 0.4818, 0.3683.



This preview shows how white text looks on a background with the Yxy color 40.0144, 0.4818, 0.3683.

# 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

40.0144, 0.4818, 0.3683

### Protanopia

40.1679, 0.3807, 0.4117

### Deuteranopia

40.0233, 0.4231, 0.4144



## Tritanopia

39.9881, 0.4363, 0.3201

# Trichromacy



**Original Color**

40.0144, 0.4818, 0.3683

**Protanomaly**

39.1753, 0.4166, 0.3946

**Deuteranomaly**

39.5982, 0.4448, 0.3962

**Tritanomaly**

39.8166, 0.4538, 0.3376

# Monochromacy



**Original Color**

40.0144, 0.4818, 0.3683

**Achromatopsia**

39.1572, 0.3127, 0.3290

**Achromatomaly**

38.3463, 0.3707, 0.3488

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.0144, 0.4818, 0.3683 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, 97)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 97)  
}
```

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, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 97) }
```

## Border

The CSS property to change the border of an element to Yxy 40.0144, 0.4818, 0.3683 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, 97) }
```

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

```
.border{ border-color:rgb(255, 137, 97) }
```

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, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 97);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
97) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.0144, 0.4818, 0.3683 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, 97) }
```

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

```
.background{ background-color: rgb(255,  
137, 97) }
```

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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