

Converting Colors

Yxy(41.6266, 0.4912, 0.3801)

Have a look what the booklet for
 $\text{Yxy}(41.6266, 0.4912, 0.3801)$
contains.

$\text{Yxy}(40.9816, 0.4884, 0.3817)$	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.9816, 0.4884, 0.3817)

Conversions

Conversions Part 1

Format	Color
Hex	FF8D56
RGB	255, 141, 86
RGB Percent	100%, 55%, 34%
CMY	0.0001, 0.4470, 0.6628
CMYK	0.00, 0.45, 0.66, 0.00
HSL	20°, 100%, 67%
HSV	20°, 66%, 100%
XYZ	52.4376, 40.9816, 13.9468
YIQ	168.8160, 85.5990, 7.0630

Conversions

Conversions Part 2

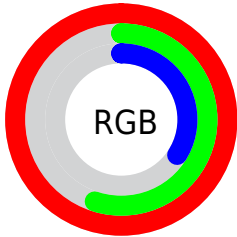
Format	Color
R_YB	255, 168, 86
Decimal	16747862
CIE _L ab	70.16, 38.69, 47.74
CIE _L Ch	70, 61.449, 50.977
Yxy	40.9816, 0.4884, 0.3817
Android (android.graphics.Color)	4294937942 (0xFFFF8D56)
Y_UV	168.8160, -40.8283, 75.5834
Hunter-Lab	64.0169, 34.1835, 31.8948

Details

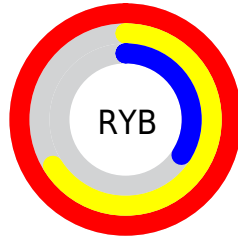
The Yxy color **40.9816, 0.4884, 0.3817** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **50.4750, 0.2180, 0.2587**, and the grayscale version is **39.7562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5460, 0.4085, 0.3901**, and **18.6158, 0.5341, 0.3839** is the 20% darker color. If you saturate the color by 10%, you get **35.9597, 0.5245, 0.3830**, and if you desaturate by 10%, it is **46.9415, 0.4526, 0.3767**.

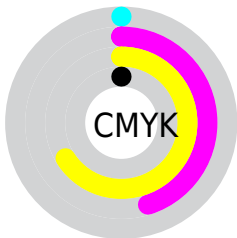
Distribution



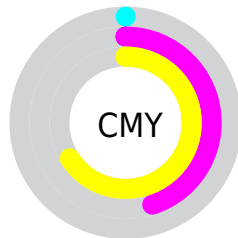
- Red (100%)
- Green (55%)
- Blue (34%)



- Red (100%)
- Yellow (66%)
- Blue (34%)



- Cyan (0%)
- Magenta (45%)
- Yellow (66%)
- Black (0%)





- Cyan (0%)
- Magenta (45%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9816, 0.4884, 0.3817 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 40.9816, 0.4884, 0.3817 by changing the saturation by 10% instead.


 40.9816, 0.4884,
0.3817

 40.9816, 0.4884,
0.3817

350.2437, 0.4004,
0.3630

 28.3047, 0.5090,
0.3834


 76.6560, 0.4572,
0.3770


 18.5555, 0.5342,
0.3837


 100.4222, 0.4452,
0.3746


 11.3495, 0.5650,
0.3810


 128.6537, 0.4349,
0.3723

 6.3024, 0.6073,
0.3749

 161.7349, 0.4261,
0.3701

 3.0298, 0.6489,
0.3511

 200.0500, 0.4184,
0.3681

 1.1473, 0.6972,
0.3028

243.9836, 0.4117,

 0.0180, 0.9817,

0.3663

0.0183

293.9201, 0.4057,
0.3645

0.0000, 0.0000,
0.0000

40.9816, 0.4884,
0.3817

40.9816, 0.4884,
0.3817

35.9597, 0.5245,
0.3830

46.9415, 0.4526,
0.3767

31.8166, 0.5577,
0.3795

53.8807, 0.4192,
0.3694


28.4951, 0.5846,
0.3711

61.8457, 0.3895,
0.3607

27.4487, 0.5931,
0.3673

70.8778, 0.3637,
0.3516

81.0159, 0.3416,
0.3427

 92.2969, 0.3229,
0.3341

99.9954, 0.3127,
0.3290

Harmonies

Analogous

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



40.9816, 0.4664, 0.3189



40.9816, 0.4884, 0.3817



40.9816, 0.4558, 0.4441

Triad

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



40.9816, 0.4884, 0.3817



40.9816, 0.2274, 0.4087



40.9816, 0.2246, 0.1988

Complementary

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



40.9816, 0.4884, 0.3817



50.4750, 0.2180, 0.2587

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.



40.9816, 0.1785, 0.2032



40.9816, 0.4884, 0.3817



40.9816, 0.1783, 0.3103

Square

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



40.9816, 0.4884, 0.3817



40.9816, 0.3040, 0.4832



40.9816, 0.1629, 0.2384



40.9816, 0.3005, 0.2200

Rectangle

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



40.9816, 0.4884, 0.3817



40.9816, 0.4128, 0.4781



40.9816, 0.1629, 0.2384



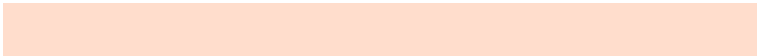
40.9816, 0.2058, 0.1972

Sweetspot

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



40.9838, 0.4884, 0.3817



77.1270, 0.3494, 0.3460



32.1472, 0.3774, 0.2200



15.8992, 0.3556, 0.3485



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.



40.9838, 0.4884, 0.3817



34.3248, 0.5374, 0.3823



75.2350, 0.4230, 0.4575



18.9531, 0.3286, 0.3368



14.5856, 0.5901, 0.3696



1.6093, 0.5681, 0.3871

Inverse Universe

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



50.4750, 0.2180, 0.2587



44.1293, 0.2052, 0.2414



21.9107, 0.1915, 0.1486



19.4256, 0.2980, 0.3211



19.4628, 0.1941, 0.2186



2.0941, 0.1980, 0.2327

Previews

White Background



This preview shows how the Yxy color 40.9816, 0.4884, 0.3817 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 40.9816, 0.4884, 0.3817 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 40.9816, 0.4884, 0.3817

Background



This preview shows how black text looks on a background with the Yxy color 40.9816, 0.4884, 0.3817.



This preview shows how white text looks on a background with the Yxy color 40.9816, 0.4884, 0.3817.

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

40.9816, 0.4884, 0.3817

Protanopia

41.1684, 0.3941, 0.4287

Deuteranopia

41.1420, 0.4340, 0.4260



Tritanopia

40.9127, 0.4314, 0.3200

Trichromacy



Original Color

40.9816, 0.4884, 0.3817

Protanomaly

40.4086, 0.4288, 0.4114

Deuteranomaly

40.8954, 0.4543, 0.4089

Tritanomaly

40.8922, 0.4536, 0.3437

Monochromacy



Original Color

40.9816, 0.4884, 0.3817

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

38.9397, 0.3730, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9816, 0.4884, 0.3817 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, 141, 86)` looks like.

```
.text, #text, p{  
    color:rgb(255, 141, 86)  
}
```

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, 141, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 141, 86) }
```

Border

The CSS property to change the border of an element to Yxy 40.9816, 0.4884, 0.3817 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, 141, 86) }
```

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

```
.border{ border-color:rgb(255, 141, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 141, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 141, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 141, 86);  
box-shadow:4px 4px 4px 4px rgb(255, 141,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9816, 0.4884, 0.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 141, 86) }
```

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

```
.background{ background-color: rgb(255,  
141, 86) }
```

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