

Converting Colors

$Y_{xy}(41.6581, 0.4868, 0.3843)$

Have a look what the booklet for
Yxy(41.6581, 0.4868, 0.3843)
contains.

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Color

Yxy(41.5768, 0.4867, 0.3837)

Conversions

Conversions Part 1

Format	Color
Hex	FF8F56
RGB	255, 143, 86
RGB Percent	100%, 56%, 34%
CMY	0.0001, 0.4391, 0.6629
CMYK	0.00, 0.44, 0.66, 0.00
HSL	20°, 100%, 67%
HSV	20°, 66%, 100%
XYZ	52.7376, 41.5768, 14.0431
YIQ	169.9900, 85.0490, 6.0170

Conversions

Conversions Part 2

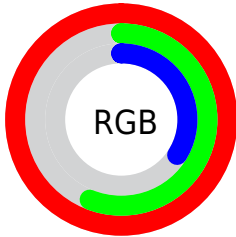
Format	Color
RYB	255, 172, 86
Decimal	16748374
CIELab	70.58, 37.68, 48.22
CIELCh	71, 61.200, 51.996
Yxy	41.5768, 0.4867, 0.3837
Android (android.graphics.Color)	4294938454 (0xFFFF8F56)
YUV	169.9900, -41.4071, 74.5538
Hunter-Lab	64.4801, 33.1533, 32.2233

Details

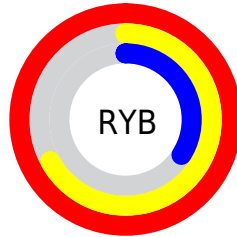
The Yxy color **41.5768, 0.4867, 0.3837** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **49.5568, 0.2173, 0.2560**, and the grayscale version is **40.3726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4543, 0.4075, 0.3921**, and **18.9532, 0.5314, 0.3864** is the 20% darker color. If you saturate the color by 10%, you get **36.5424, 0.5222, 0.3852**, and if you desaturate by 10%, it is **47.5258, 0.4514, 0.3785**.

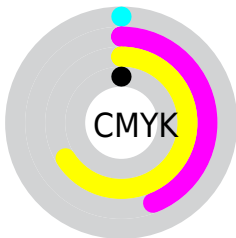
Distribution



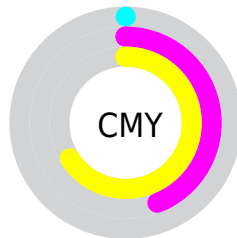
- Red (100%)
- Green (56%)
- Blue (34%)



- Red (100%)
- Yellow (67%)
- Blue (34%)



- Cyan (0%)
- Magenta (44%)
- Yellow (66%)
- Black (0%)




- Cyan (0%)
- Magenta (44%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5768, 0.4867, 0.3837 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 41.5768, 0.4867, 0.3837 by changing the saturation by 10% instead.


 41.5768, 0.4867,
0.3837

 41.5768, 0.4867,
0.3837


352.7256, 0.3999,
0.3639

 28.7701, 0.5070,
0.3856


 77.5587, 0.4559,
0.3787

 18.9069, 0.5317,
0.3863


 101.5027, 0.4441,
0.3761

 11.6031, 0.5618,
0.3841

 129.9279, 0.4340,
0.3737

 6.4740, 0.6030,
0.3787

 163.2187, 0.4252,
0.3714

 3.1354, 0.6438,
0.3562

 201.7594, 0.4176,
0.3693

 1.2028, 0.6905,
0.3095

245.9346, 0.4110,

 0.0640, 0.9392,

0.3674

0.0608

296.1285, 0.4051,
0.3656

■ 0.0000, 0.0000,
0.0000

■ 41.5768, 0.4867,
0.3837

■ 41.5768, 0.4867,
0.3837

■ 36.5424, 0.5222,
0.3852

■ 47.5258, 0.4514,
0.3785

■ 32.3656, 0.5549,
0.3819

■ 54.4288, 0.4185,
0.3708


■ 28.9916, 0.5816,
0.3735

■ 62.3303, 0.3891,
0.3619

■ 27.9231, 0.5901,
0.3697

■ 71.2701, 0.3635,
0.3525

■ 81.2856, 0.3415,
0.3432

 92.4121, 0.3229,
0.3343

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.



41.5768, 0.4668, 0.3212



41.5768, 0.4867, 0.3837



41.5768, 0.4530, 0.4454

Triad

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



41.5768, 0.4867, 0.3837



41.5768, 0.2260, 0.4046



41.5768, 0.2274, 0.2000

Complementary

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



41.5768, 0.4867, 0.3837



49.5568, 0.2173, 0.2560

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.



41.5768, 0.1805, 0.2035



41.5768, 0.4867, 0.3837



41.5768, 0.1783, 0.3076

Square

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



41.5768, 0.4867, 0.3837



41.5768, 0.3014, 0.4802



41.5768, 0.1640, 0.2374



41.5768, 0.3036, 0.2218

Rectangle

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



41.5768, 0.4867, 0.3837



41.5768, 0.4097, 0.4783



41.5768, 0.1640, 0.2374



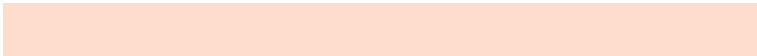
41.5768, 0.2083, 0.1982

Sweetspot

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



41.5790, 0.4867, 0.3837



77.4454, 0.3493, 0.3466



32.0155, 0.3809, 0.2224



15.9748, 0.3555, 0.3492



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.



41.5790, 0.4867, 0.3837



34.8970, 0.5349, 0.3846



76.7670, 0.4211, 0.4597



18.9889, 0.3286, 0.3371



14.8381, 0.5871, 0.3721



1.6372, 0.5652, 0.3894

Inverse Universe

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



49.5568, 0.2173, 0.2560



43.1029, 0.2044, 0.2380



21.2625, 0.1907, 0.1452



19.3880, 0.2980, 0.3208



18.8737, 0.1929, 0.2144



2.0398, 0.1969, 0.2290

Previews

White Background



This preview shows how the Yxy color 41.5768, 0.4867, 0.3837 looks on a white background.

Color Contrast Check

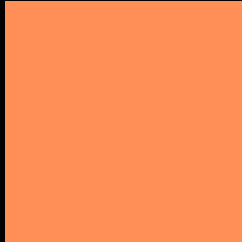
Large Text (above 18pt) WCAG AA × Fail

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 41.5768, 0.4867, 0.3837 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 41.5768, 0.4867, 0.3837

Background



This preview shows how black text looks on a background with the Yxy color 41.5768, 0.4867, 0.3837.



This preview shows how white text looks on a background with the Yxy color 41.5768, 0.4867, 0.3837.

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

41.5768, 0.4867, 0.3837

Protanopia

41.6788, 0.3945, 0.4294

Deuteranopia

41.8005, 0.4351, 0.4262



Tritanopia

41.5435, 0.4282, 0.3200

Trichromacy



Original Color

41.5768, 0.4867, 0.3837

Protanomaly

40.9095, 0.4290, 0.4121

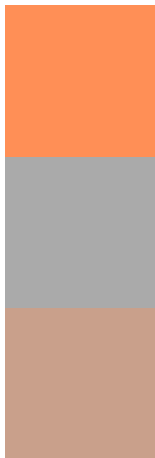
Deuteranomaly

41.3965, 0.4544, 0.4095

Tritanomaly

41.4968, 0.4513, 0.3448

Monochromacy



Original Color

41.5768, 0.4867, 0.3837

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.4232, 0.3736, 0.3565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5768, 0.4867, 0.3837 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, 143, 86)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 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, 143, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 86) }
```

Border

The CSS property to change the border of an element to Yxy 41.5768, 0.4867, 0.3837 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, 143, 86) }
```

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

```
.border{ border-color:rgb(255, 143, 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, 143, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 86);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5768, 0.4867, 0.3837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 143, 86) }
```

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

```
.background{ background-color: rgb(255,  
143, 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](#).

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