

Converting Colors

$Y_{xy}(37.5466, 0.4919, 0.3496)$

Have a look what the booklet for
Yxy(37.5466, 0.4919, 0.3496)
contains.

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Color

Yxy(36.3852, 0.4876, 0.3498)

Conversions

Conversions Part 1

Format	Color
Hex	FF7B66
RGB	255, 123, 102
RGB Percent	100%, 48%, 40%
CMY	0.0000, 0.5176, 0.6001
CMYK	0.00, 0.52, 0.60, 0.00
HSL	8°, 100%, 70%
HSV	8°, 60%, 100%
XYZ	50.7188, 36.3852, 16.9132
YIQ	160.0740, 85.4130, 21.4530

Conversions

Conversions Part 2

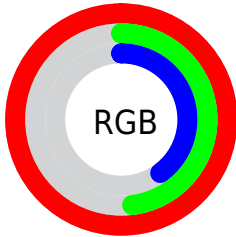
Format	Color
R _Y B	255, 126, 102
Decimal	16743270
CIE Lab	66.81, 48.60, 35.27
CIE LCh	67, 60.049, 35.970
Yxy	36.3852, 0.4876, 0.3498
Android (android.graphics.Color)	4294933350 (0xFFFF7B66)
YUV	160.0740, -28.6305, 83.2501
Hunter-Lab	60.3201, 44.5272, 25.5998

Details

The Yxy color **36.3852, 0.4876, 0.3498** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **68.8625, 0.2333, 0.3035**, and the grayscale version is **35.2959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4007, 0.4037, 0.3555**, and **15.8600, 0.5401, 0.3456** is the 20% darker color. If you saturate the color by 10%, you get **31.0988, 0.5320, 0.3504**, and if you desaturate by 10%, it is **43.0567, 0.4456, 0.3474**.

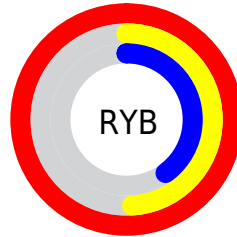
Distribution



Red (100%)

Green (48%)

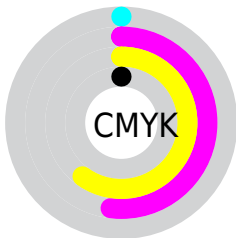
Blue (40%)



Red (100%)

Yellow (49%)

Blue (40%)

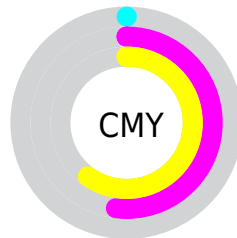


Cyan (0%)

Magenta (52%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (52%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3852, 0.4876, 0.3498 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 36.3852, 0.4876, 0.3498 by changing the saturation by 10% instead.


 36.3852, 0.4876,
0.3498

 36.3852, 0.4876,
0.3498


330.6411, 0.3969,
0.3454

 24.7318, 0.5103,
0.3486


 69.6262, 0.4544,
0.3499


 15.8774, 0.5390,
0.3456


 91.9826, 0.4419,
0.3494

 9.4374, 0.5760,
0.3391


 118.6755, 0.4314,
0.3488

 5.0276, 0.6245,
0.3258

 150.0893, 0.4225,
0.3481

 2.2635, 0.6975,
0.3025

186.6084, 0.4147,
0.3474

 0.7543, 0.7618,
0.2382

228.6171, 0.4080,

 0.0000, 1.0000,

0.3467

0.0000

276.4998, 0.4021,
0.3461

■ 0.0000, 0.0000,
0.0000

■ 36.3852, 0.4876,
0.3498

■ 36.3852, 0.4876,
0.3498

■ 31.0988, 0.5320,
0.3504

■ 43.0567, 0.4456,
0.3474

■ 27.0937, 0.5742,
0.3485

■ 51.1957, 0.4086,
0.3441

■ 24.2608, 0.6082,
0.3441

■ 60.8849, 0.3773,
0.3402

■ 22.4646, 0.6298,
0.3381

■ 72.1994, 0.3513,
0.3363

■ 85.2093, 0.3301,
0.3325

99.9804, 0.3127,
0.3290

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



36.3852, 0.4364, 0.2887



36.3852, 0.4876, 0.3498



36.3852, 0.4803, 0.4143

Triad

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



36.3852, 0.4876, 0.3498



36.3852, 0.2624, 0.4554



36.3852, 0.1960, 0.1958

Complementary

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



36.3852, 0.4876, 0.3498



68.8625, 0.2333, 0.3035

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.



36.3852, 0.1650, 0.2148



36.3852, 0.4876, 0.3498



36.3852, 0.1969, 0.3588

Square

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



36.3852, 0.4876, 0.3498



36.3852, 0.3464, 0.4980



36.3852, 0.1645, 0.2685



36.3852, 0.2582, 0.2048

Rectangle

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



36.3852, 0.4876, 0.3498



36.3852, 0.4480, 0.4551



36.3852, 0.1645, 0.2685



36.3852, 0.1823, 0.1987

Sweetspot

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



36.3872, 0.4876, 0.3498



74.6790, 0.3467, 0.3355



36.7312, 0.3388, 0.2043



15.2217, 0.3534, 0.3366



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.



36.3872, 0.4876, 0.3498



30.2040, 0.5407, 0.3502



63.0126, 0.4315, 0.4246



18.3897, 0.3291, 0.3323



11.8608, 0.6279, 0.3397



1.2719, 0.6101, 0.3538

Inverse Universe

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



68.8625, 0.2333, 0.3035



65.0322, 0.2238, 0.2976



34.5244, 0.2108, 0.2035



20.0303, 0.2980, 0.3256



30.6660, 0.2124, 0.2848



3.0982, 0.2140, 0.2903

Previews

White Background



This preview shows how the Yxy color 36.3852, 0.4876, 0.3498 looks on a white background.

Color Contrast Check

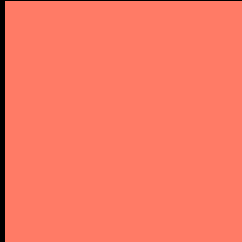
Large Text (above 18pt) WCAG AA × Fail

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 36.3852, 0.4876, 0.3498 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 36.3852, 0.4876, 0.3498

Background



This preview shows how black text looks on a background with the Yxy color 36.3852, 0.4876, 0.3498.



This preview shows how white text looks on a background with the Yxy color 36.3852, 0.4876, 0.3498.

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

36.3852, 0.4876, 0.3498

Protanopia

36.6164, 0.3658, 0.3934

Deuteranopia

36.6272, 0.4139, 0.4066



Tritanopia

36.4933, 0.4592, 0.3224

Trichromacy



Original Color

36.3852, 0.4876, 0.3498

Protanomaly

35.1870, 0.4100, 0.3755

Deuteranomaly

35.8884, 0.4423, 0.3835

Tritanomaly

36.5110, 0.4692, 0.3324

Monochromacy



Original Color

36.3852, 0.4876, 0.3498

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.3336, 0.3723, 0.3399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3852, 0.4876, 0.3498 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, 123, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 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, 123, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 102) }
```

Border

The CSS property to change the border of an element to Yxy 36.3852, 0.4876, 0.3498 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, 123, 102) }
```

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

```
.border{ border-color:rgb(255, 123, 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, 123, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3852, 0.4876, 0.3498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 102) }
```

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

```
.background{ background-color: rgb(255,  
123, 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](#).

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