

Converting Colors

$Y_{xy}(37.4192, 0.4845, 0.3538)$

Have a look what the booklet for
Yxy(37.4192, 0.4845, 0.3538)
contains.

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Color

Yxy(37.3981, 0.4846, 0.3538)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF7F66 |
| RGB | 255, 127, 102 |
| RGB Percent | 100%, 50%, 40% |
| CMY | 0.0000, 0.5019, 0.6001 |
| CMYK | 0.00, 0.50, 0.60, 0.00 |
| HSL | 10°, 100%, 70% |
| HSV | 10°, 60%, 100% |
| XYZ | 51.2242, 37.3981, 17.0818 |
| YIQ | 162.4220, 84.3130, 19.3610 |

Conversions

Conversions Part 2

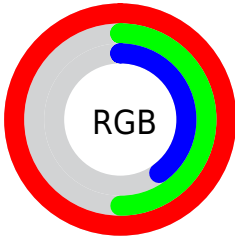
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 255, 132, 102 |
| Decimal | 16744294 |
| CIE Lab | 67.57, 46.66, 36.23 |
| CIE LCh | 68, 59.072, 37.827 |
| Yxy | 37.3981, 0.4846, 0.3538 |
| Android (android.graphics.Color) | 4294934374 (0xFFFF7F66) |
| YUV | 162.4220, -29.7880, 81.1909 |
| Hunter-Lab | 61.1540, 42.4968, 26.2467 |

Details

The Yxy color **37.3981, 0.4846, 0.3538** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **66.6068, 0.2322, 0.2985**, and the grayscale version is **36.4538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0158, 0.4020, 0.3597**, and **16.5014, 0.5346, 0.3514** is the 20% darker color. If you saturate the color by 10%, you get **32.0312, 0.5280, 0.3547**, and if you desaturate by 10%, it is **44.0903, 0.4436, 0.3509**.

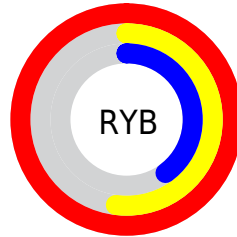
Distribution



Red (100%)

Green (50%)

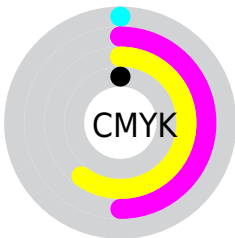
Blue (40%)



Red (100%)

Yellow (52%)

Blue (40%)

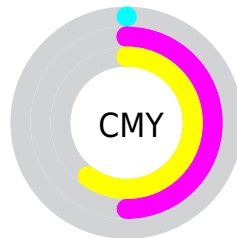


Cyan (0%)

Magenta (50%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (50%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3981, 0.4846, 0.3538 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 37.3981, 0.4846, 0.3538 by changing the saturation by 10% instead.

 37.3981, 0.4846,
0.3538

 37.3981, 0.4846,
0.3538


335.0309, 0.3958,
0.3473


 25.5159, 0.5067,
0.3531


 71.1846, 0.4522,
0.3531


 16.4618, 0.5345,
0.3509


 93.8577, 0.4400,
0.3523

 9.8515, 0.5702,
0.3454


 120.8966, 0.4298,
0.3515

 5.3006, 0.6167,
0.3335

 152.6856, 0.4210,
0.3506

 2.4247, 0.6873,
0.3127

189.6091, 0.4134,
0.3497

 0.8386, 0.7472,
0.2528

232.0516, 0.4068,

 0.0000, 1.0000,

0.3489

0.0000

280.3974, 0.4010,
0.3481

■ 0.0000, 0.0000,
0.0000

■ 37.3981, 0.4846,
0.3538

■ 37.3981, 0.4846,
0.3538

■ 32.0312, 0.5280,
0.3547

■ 44.0903, 0.4436,
0.3509

■ 27.8945, 0.5695,
0.3528

■ 52.1824, 0.4074,
0.3469

■ 24.8899, 0.6036,
0.3478

■ 61.7505, 0.3766,
0.3423

■ 22.8953, 0.6263,
0.3409

■ 72.8634, 0.3510,
0.3376

■ 85.5856, 0.3300,
0.3332

99.9778, 0.3127,
0.3290

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



37.3981, 0.4379, 0.2933



37.3981, 0.4846, 0.3538



37.3981, 0.4746, 0.4170

Triad

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



37.3981, 0.4846, 0.3538



37.3981, 0.2592, 0.4469



37.3981, 0.2014, 0.1983

Complementary

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



37.3981, 0.4846, 0.3538



66.6068, 0.2322, 0.2985

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.



37.3981, 0.1690, 0.2153



37.3981, 0.4846, 0.3538



37.3981, 0.1966, 0.3521

Square

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



37.3981, 0.4846, 0.3538



37.3981, 0.3410, 0.4930



37.3981, 0.1667, 0.2659



37.3981, 0.2643, 0.2086

Rectangle

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



37.3981, 0.4846, 0.3538



37.3981, 0.4417, 0.4561



37.3981, 0.1667, 0.2659



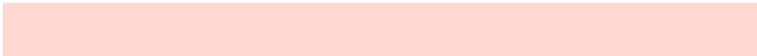
37.3981, 0.1872, 0.2007

Sweetspot

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



37.4001, 0.4846, 0.3538



75.2945, 0.3465, 0.3367



36.5841, 0.3414, 0.2062



15.3688, 0.3532, 0.3381



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.



37.4001, 0.4846, 0.3538



31.1149, 0.5366, 0.3546



64.1932, 0.4298, 0.4269



18.4671, 0.3290, 0.3330



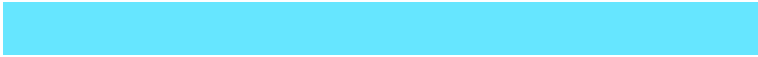
12.1046, 0.6241, 0.3427



1.3082, 0.6049, 0.3579

Inverse Universe

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



66.6068, 0.2322, 0.2985



62.3987, 0.2222, 0.2914



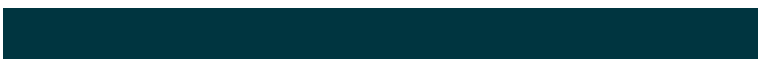
33.6618, 0.2100, 0.2001



19.9454, 0.2980, 0.3250



28.8965, 0.2100, 0.2759



2.9425, 0.2118, 0.2826

Previews

White Background



This preview shows how the Yxy color 37.3981, 0.4846, 0.3538 looks on a white background.

Color Contrast Check

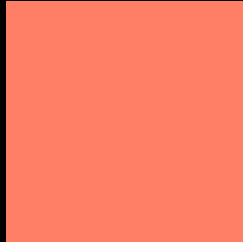
Large Text (above 18pt) WCAG AA × Fail

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 37.3981, 0.4846, 0.3538 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 37.3981, 0.4846, 0.3538

Background



This preview shows how black text looks on a background with the Yxy color 37.3981, 0.4846, 0.3538.



This preview shows how white text looks on a background with the Yxy color 37.3981, 0.4846, 0.3538.

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

37.3981, 0.4846, 0.3538

Protanopia

37.6596, 0.3689, 0.3967

Deuteranopia

37.3760, 0.4163, 0.4067



Tritanopia

37.3412, 0.4527, 0.3213

Trichromacy



Original Color

37.3981, 0.4846, 0.3538

Protanomaly

36.4249, 0.4102, 0.3788

Deuteranomaly

36.8118, 0.4427, 0.3853

Tritanomaly

37.3077, 0.4650, 0.3335

Monochromacy



Original Color

37.3981, 0.4846, 0.3538

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.1241, 0.3715, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3981, 0.4846, 0.3538 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, 127, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 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, 127, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 102) }
```

Border

The CSS property to change the border of an element to Yxy 37.3981, 0.4846, 0.3538 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, 127, 102) }
```

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

```
.border{ border-color:rgb(255, 127, 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, 127, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 127, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 127, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 127,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3981, 0.4846, 0.3538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 127, 102) }
```

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

```
.background{ background-color: rgb(255,  
127, 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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