

Converting Colors

$Y_{xy}(34.9901, 0.5225, 0.3664)$

Have a look what the booklet for
Yxy(34.9901, 0.5225, 0.3664)
contains.

Yxy(34.4770, 0.5202, 0.3673)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.4770, 0.5202, 0.3673)

Conversions

Conversions Part 1

Format	Color
Hex	FF754A
RGB	255, 117, 74
RGB Percent	100%, 46%, 29%
CMY	0.0001, 0.5410, 0.7098
CMYK	0.00, 0.54, 0.71, 0.00
HSL	14°, 100%, 65%
HSV	14°, 71%, 100%
XYZ	48.8291, 34.4770, 10.5599
YIQ	153.3600, 96.0510, 15.8830

Conversions

Conversions Part 2

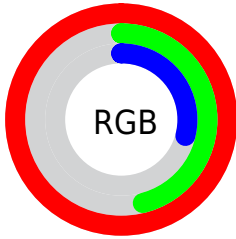
Format	Color
RYB	255, 130, 74
Decimal	16741706
CIELab	65.34, 49.85, 48.35
CIElCh	65, 69.447, 44.125
Yxy	34.4770, 0.5202, 0.3673
Android (android.graphics.Color)	4294931786 (0xFFFF754A)
YUV	153.3600, -39.1245, 89.1383
Hunter-Lab	58.7171, 45.6855, 30.4390

Details

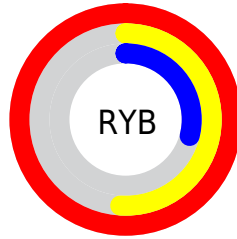
The Yxy color **34.4770, 0.5202, 0.3673** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **55.7302, 0.2186, 0.2744**, and the grayscale version is **32.1671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2203, 0.4326, 0.3788**, and **14.8361, 0.5763, 0.3607** is the 20% darker color. If you saturate the color by 10%, you get **30.1322, 0.5590, 0.3654**, and if you desaturate by 10%, it is **39.9048, 0.4798, 0.3656**.

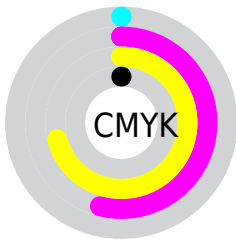
Distribution



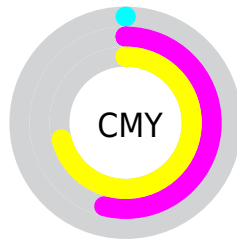
- Red (100%)
- Green (46%)
- Blue (29%)



- Red (100%)
- Yellow (51%)
- Blue (29%)



- Cyan (0%)
- Magenta (54%)
- Yellow (71%)
- Black (0%)





- Cyan (0%)
- Magenta (54%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4770, 0.5202, 0.3673 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 34.4770, 0.5202, 0.3673 by changing the saturation by 10% instead.


 34.4770, 0.5202,
0.3673


 34.4770, 0.5202,
0.3673


322.2538, 0.4140,
0.3580


 23.2603, 0.5454,
0.3656


 66.6748, 0.4821,
0.3668


 14.7858, 0.5761,
0.3610


 88.4246, 0.4676,
0.3657


 8.6692, 0.6135,
0.3509


 114.4543, 0.4552,
0.3644

 4.5261, 0.6658,
0.3342

 145.1481, 0.4446,
0.3631

 1.9720, 0.7092,
0.2908

 180.8906, 0.4354,
0.3618

 0.5911, 0.7859,
0.2141

222.0661, 0.4273,

 0.0000, 1.0000,

0.3605

0.0000

269.0591, 0.4202,
0.3592

■ 0.0000, 0.0000,
0.0000

■ 34.4770, 0.5202,
0.3673

■ 34.4770, 0.5202,
0.3673

■ 30.1322, 0.5590,
0.3654

■ 39.9048, 0.4798,
0.3656

■ 26.7883, 0.5917,
0.3593


■ 46.4786, 0.4415,
0.3613


■ 24.5519, 0.6133,
0.3512

■ 54.2629, 0.4072,
0.3554

■ 63.3156, 0.3775,
0.3488

■ 73.6907, 0.3525,
0.3421

 85.4393, 0.3316,
0.3356

 98.6094, 0.3142,
0.3296

99.9941, 0.3127,
0.3290

Harmonies

Analogous

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



34.4770, 0.4806, 0.2985



34.4770, 0.5202, 0.3673



34.4770, 0.4906, 0.4406

Triad

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



34.4770, 0.5202, 0.3673



34.4770, 0.2283, 0.4530



34.4770, 0.1946, 0.1777

Complementary

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



34.4770, 0.5202, 0.3673



55.7302, 0.2186, 0.2744

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.



34.4770, 0.1515, 0.1884



34.4770, 0.5202, 0.3673



34.4770, 0.1652, 0.3296

Square

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



34.4770, 0.5202, 0.3673



34.4770, 0.3204, 0.5262



34.4770, 0.1412, 0.2354



34.4770, 0.2739, 0.1956

Rectangle

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



34.4770, 0.5202, 0.3673



34.4770, 0.4438, 0.4874



34.4770, 0.1412, 0.2354



34.4770, 0.1764, 0.1779

Sweetspot

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



34.4789, 0.5202, 0.3673



73.6842, 0.3526, 0.3421



30.9431, 0.3651, 0.2030



15.1293, 0.3590, 0.3440



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.



34.4789, 0.5202, 0.3673



28.6784, 0.5732, 0.3634



66.2345, 0.4408, 0.4512



18.6881, 0.3288, 0.3347



13.0221, 0.6107, 0.3533



1.4278, 0.5892, 0.3704

Inverse Universe

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



55.7302, 0.2186, 0.2744



50.5667, 0.2088, 0.2618



22.6571, 0.1882, 0.1531



19.7062, 0.2980, 0.3232



24.2608, 0.2028, 0.2501



2.5299, 0.2056, 0.2601

Previews

White Background



This preview shows how the Yxy color 34.4770, 0.5202, 0.3673 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 34.4770, 0.5202, 0.3673 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 34.4770, 0.5202, 0.3673

Background



This preview shows how black text looks on a background with the Yxy color 34.4770, 0.5202, 0.3673.



This preview shows how white text looks on a background with the Yxy color 34.4770, 0.5202, 0.3673.

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

34.4770, 0.5202, 0.3673

Protanopia

34.6148, 0.3946, 0.4290

Deuteranopia

34.3969, 0.4417, 0.4331



Tritanopia

34.4263, 0.4736, 0.3226

Trichromacy



Original Color

34.4770, 0.5202, 0.3673

Protanomaly

33.4084, 0.4414, 0.4047

Deuteranomaly

33.8003, 0.4719, 0.4067

Tritanomaly

34.2739, 0.4931, 0.3400

Monochromacy



Original Color

34.4770, 0.5202, 0.3673

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.1586, 0.3862, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4770, 0.5202, 0.3673 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, 117, 74)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 74)  
}
```

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, 117, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 74) }
```

Border

The CSS property to change the border of an element to Yxy 34.4770, 0.5202, 0.3673 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, 117, 74) }
```

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

```
.border{ border-color:rgb(255, 117, 74) }
```

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

Here you see how a box with a 4 pixel rgb(255, 117, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 74);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4770, 0.5202, 0.3673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 74) }
```

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

```
.background{ background-color: rgb(255,  
117, 74) }
```

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