

Converting Colors

$Y_{xy}(46.2062, 0.5507, 0.3548)$

Have a look what the booklet for
Yxy(46.2062, 0.5507, 0.3548)
contains.

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Color

Yxy(34.5326, 0.5166, 0.3643)

Conversions

Conversions Part 1

Format	Color
Hex	FF754E
RGB	255, 117, 78
RGB Percent	100%, 46%, 31%
CMY	0.0001, 0.5411, 0.6942
CMYK	0.00, 0.54, 0.69, 0.00
HSL	13°, 100%, 65%
HSV	13°, 69%, 100%
XYZ	48.9694, 34.5326, 11.2897
YIQ	153.8160, 94.7670, 17.1270

Conversions

Conversions Part 2

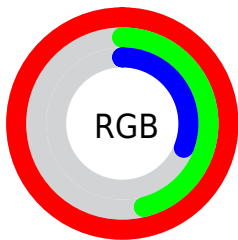
Format	Color
R_{YB}	255, 128, 78
Decimal	16741710
CIE Lab	65.38, 50.05, 46.36
CIE LCh	65, 68.217, 42.809
Yxy	34.5326, 0.5166, 0.3643
Android (android.graphics.Color)	4294931790 (0xFFFF754E)
YUV	153.8160, -37.3773, 88.7384
Hunter-Lab	58.7644, 45.9092, 29.7445

Details

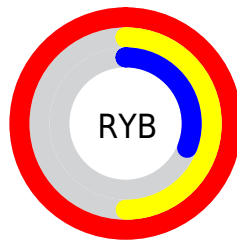
The Yxy color **34.5326, 0.5166, 0.3643** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **57.9153, 0.2209, 0.2798**, and the grayscale version is **32.3690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.3236, 0.4291, 0.3749**, and **14.8552, 0.5730, 0.3584** is the 20% darker color. If you saturate the color by 10%, you get **30.0859, 0.5566, 0.3628**, and if you desaturate by 10%, it is **40.1078, 0.4756, 0.3624**.

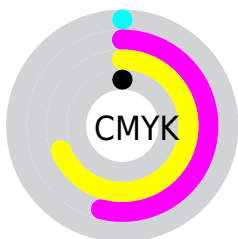
Distribution



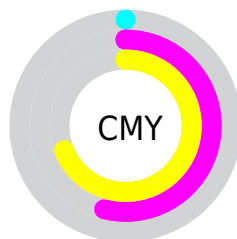
- Red (100%)
- Green (46%)
- Blue (31%)



- Red (100%)
- Yellow (50%)
- Blue (31%)



- Cyan (0%)
- Magenta (54%)
- Yellow (69%)
- Black (0%)




- Cyan (0%)
- Magenta (54%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5326, 0.5166, 0.3643 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 34.5326, 0.5166, 0.3643 by changing the saturation by 10% instead.

 34.5326, 0.5166,
0.3643

 34.5326, 0.5166,
0.3643


322.5004, 0.4118,
0.3559


 23.3031, 0.5417,
0.3626


 66.7611, 0.4789,
0.3639


 14.8174, 0.5725,
0.3582


 88.5288, 0.4645,
0.3630


 8.6914, 0.6104,
0.3485


 114.5780, 0.4523,
0.3618

 4.5404, 0.6662,
0.3338

 145.2931, 0.4419,
0.3606

 1.9802, 0.7096,
0.2904

 181.0585, 0.4328,
0.3594

 0.5959, 0.7859,
0.2141

222.2586, 0.4249,

 0.0000, 1.0000,

0.3582

0.0000

269.2778, 0.4180,
0.3570

■ 0.0000, 0.0000,
0.0000

■ 34.5326, 0.5166,
0.3643

■ 34.5326, 0.5166,
0.3643

■ 30.0859, 0.5566,
0.3628

■ 40.1078, 0.4756,
0.3624

■ 26.6818, 0.5908,
0.3574

■ 46.8777, 0.4371,
0.3582


■ 24.2255, 0.6155,
0.3490

■ 54.9099, 0.4030,
0.3526

■ 24.1073, 0.6167,
0.3485

■ 64.2651, 0.3737,
0.3464

■ 75.0001, 0.3491,
0.3402

 87.1682, 0.3287,
0.3343

99.9952, 0.3127,
0.3290

Harmonies

Analogous

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



34.5326, 0.4743, 0.2964



34.5326, 0.5166, 0.3643



34.5326, 0.4906, 0.4365

Triad

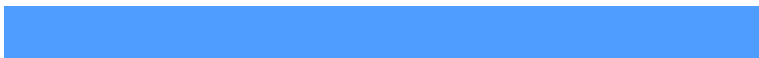
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



34.5326, 0.5166, 0.3643



34.5326, 0.2336, 0.4552



34.5326, 0.1938, 0.1797

Complementary

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



34.5326, 0.5166, 0.3643



57.9153, 0.2209, 0.2798

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.



34.5326, 0.1526, 0.1917



34.5326, 0.5166, 0.3643



34.5326, 0.1694, 0.3349

Square

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



34.5326, 0.5166, 0.3643



34.5326, 0.3251, 0.5232



34.5326, 0.1439, 0.2402



34.5326, 0.2705, 0.1962

Rectangle

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



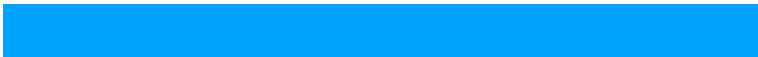
34.5326, 0.5166, 0.3643



34.5326, 0.4458, 0.4827



34.5326, 0.1439, 0.2402



34.5326, 0.1763, 0.1803

Sweetspot

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



34.5345, 0.5166, 0.3643



73.2189, 0.3527, 0.3412



31.6927, 0.3602, 0.2023



15.0204, 0.3593, 0.3429



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.



34.5345, 0.5166, 0.3643



28.7557, 0.5698, 0.3614



65.3858, 0.4404, 0.4472



18.6366, 0.3289, 0.3343



12.7781, 0.6141, 0.3506



1.3974, 0.5930, 0.3673

Inverse Universe

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



57.9153, 0.2209, 0.2798



53.0055, 0.2113, 0.2686



24.3110, 0.1916, 0.1610



19.7615, 0.2980, 0.3236



25.2873, 0.2045, 0.2561



2.6219, 0.2071, 0.2654

Previews

White Background



This preview shows how the Yxy color 34.5326, 0.5166, 0.3643 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 34.5326, 0.5166, 0.3643 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 34.5326, 0.5166, 0.3643

Background



This preview shows how black text looks on a background with the Yxy color 34.5326, 0.5166, 0.3643.



This preview shows how white text looks on a background with the Yxy color 34.5326, 0.5166, 0.3643.

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

34.5326, 0.5166, 0.3643

Protanopia

34.5677, 0.3901, 0.4243

Deuteranopia

34.4585, 0.4379, 0.4284



Tritanopia

34.4507, 0.4723, 0.3216

Trichromacy



Original Color

34.5326, 0.5166, 0.3643

Protanomaly

33.3311, 0.4366, 0.4007

Deuteranomaly

33.8651, 0.4678, 0.4023

Tritanomaly

34.3145, 0.4908, 0.3381

Monochromacy



Original Color

34.5326, 0.5166, 0.3643

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.6325, 0.3846, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5326, 0.5166, 0.3643 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 78)  
}
```

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, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 78) }
```

Border

The CSS property to change the border of an element to Yxy 34.5326, 0.5166, 0.3643 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, 78) }
```

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

```
.border{ border-color:rgb(255, 117, 78) }
```

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, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5326, 0.5166, 0.3643 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, 78) }
```

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

```
.background{ background-color: rgb(255,  
117, 78) }
```

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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