

Converting Colors

$Y_{xy}(34.4855, 0.5023, 0.3719)$

Have a look what the booklet for
Yxy(34.4855, 0.5023, 0.3719)
contains.

Yxy(34.5726, 0.5024, 0.3725)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.5726, 0.5024, 0.3725)

Conversions

Conversions Part 1

Format	Color
Hex	F67C4F
RGB	246, 124, 79
RGB Percent	96%, 49%, 31%
CMY	0.0352, 0.5137, 0.6902
CMYK	0.00, 0.50, 0.68, 0.04
HSL	16°, 90%, 64%
HSV	16°, 68%, 96%
XYZ	46.6289, 34.5726, 11.6108
YIQ	155.3480, 87.1570, 11.8690

Conversions

Conversions Part 2

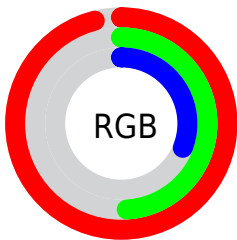
Format	Color
R _Y B	246, 141, 79
Decimal	16153679
CIE Lab	65.41, 43.42, 45.53
CIE LCh	65, 62.914, 46.358
Yxy	34.5726, 0.5024, 0.3725
Android (android.graphics.Color)	4294343759 (0xFFFF67C4F)
YUV	155.3480, -37.6396, 79.5018
Hunter-Lab	58.7985, 38.6585, 29.4510

Details

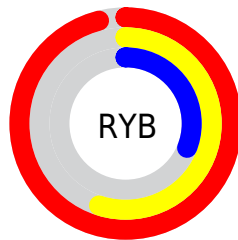
The Yxy color **34.5726, 0.5024, 0.3725** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **50.0951, 0.2196, 0.2700**, and the grayscale version is **33.0819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.1119, 0.4233, 0.3800**, and **14.9240, 0.5547, 0.3707** is the 20% darker color. If you saturate the color by 10%, you get **30.1787, 0.5408, 0.3722**, and if you desaturate by 10%, it is **39.9237, 0.4639, 0.3692**.

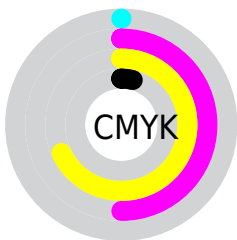
Distribution



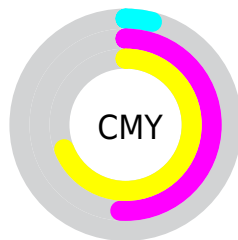
- Red (96%)
- Green (49%)
- Blue (31%)



- Red (96%)
- Yellow (55%)
- Blue (31%)



- Cyan (0%)
- Magenta (50%)
- Yellow (68%)
- Black (4%)




- Cyan (4%)
- Magenta (51%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5726, 0.5024, 0.3725 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 34.5726, 0.5024, 0.3725 by changing the saturation by 10% instead.


 34.5726, 0.5024,
0.3725


 34.5726, 0.5024,
0.3725


322.6778, 0.4047,
0.3588


 23.3338, 0.5260,
0.3725


 66.8231, 0.4671,
0.3699

 14.8402, 0.5551,
0.3703


 88.6037, 0.4537,
0.3682


 8.7073, 0.5910,
0.3635


 114.6669, 0.4424,
0.3664

 4.5508, 0.6462,
0.3538

 145.3973, 0.4327,
0.3647

 1.9862, 0.6865,
0.3135

 181.1792, 0.4242,
0.3631

 0.5994, 0.7603,
0.2397

222.3969, 0.4169,

 0.0000, 1.0000,

0.3616

0.0000

269.4350, 0.4104,
0.3601

■ 0.0000, 0.0000,
0.0000

■ 34.5726, 0.5024,
0.3725

■ 34.5726, 0.5024,
0.3725

■ 30.1787, 0.5408,
0.3722

■ 39.9237, 0.4639,
0.3692

■ 26.6762, 0.5751,
0.3676

■ 46.2807, 0.4279,
0.3635


■ 23.9972, 0.6015,
0.3587


■ 53.6956, 0.3960,
0.3565

■ 23.5260, 0.6063,
0.3568

■ 62.2148, 0.3686,
0.3490

■ 71.8821, 0.3453,
0.3415

 82.7386, 0.3258,
0.3343

 94.8236, 0.3095,
0.3276

 98.3357, 0.3072,
0.3290

Harmonies

Analogous

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



34.5726, 0.4699, 0.3071



34.5726, 0.5024, 0.3725



34.5726, 0.4737, 0.4401

Triad

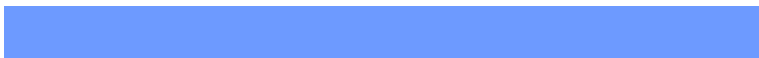
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



34.5726, 0.5024, 0.3725



34.5726, 0.2313, 0.4322



34.5726, 0.2084, 0.1892

Complementary

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



34.5726, 0.5024, 0.3725



50.0951, 0.2196, 0.2700

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.



34.5726, 0.1651, 0.1978



34.5726, 0.5024, 0.3725



34.5726, 0.1743, 0.3231

Square

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



34.5726, 0.5024, 0.3725



34.5726, 0.3156, 0.5037



34.5726, 0.1534, 0.2399



34.5726, 0.2847, 0.2077

Rectangle

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



34.5726, 0.5024, 0.3725



34.5726, 0.4301, 0.4806



34.5726, 0.1534, 0.2399



34.5726, 0.1904, 0.1888

Sweetspot

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



34.5745, 0.5024, 0.3725



75.6287, 0.3500, 0.3431



29.4259, 0.3689, 0.2112



15.5445, 0.3563, 0.3452



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.



34.5745, 0.5024, 0.3725



31.3989, 0.5526, 0.3712



64.8068, 0.4312, 0.4526



17.2088, 0.3287, 0.3354



12.7527, 0.6035, 0.3590



1.2839, 0.5791, 0.3783

Inverse Universe

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



50.0951, 0.2196, 0.2700



48.8652, 0.2088, 0.2564



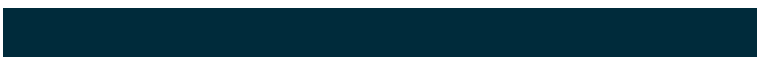
21.2651, 0.1915, 0.1546



17.9583, 0.2980, 0.3225



21.1576, 0.1997, 0.2390



2.0288, 0.2032, 0.2516

Previews

White Background



This preview shows how the Yxy color 34.5726, 0.5024, 0.3725 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 34.5726, 0.5024, 0.3725 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 34.5726, 0.5024, 0.3725

Background



This preview shows how black text looks on a background with the Yxy color 34.5726, 0.5024, 0.3725.



This preview shows how white text looks on a background with the Yxy color 34.5726, 0.5024, 0.3725.

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

34.5726, 0.5024, 0.3725

Protanopia

34.6656, 0.3920, 0.4252

Deuteranopia

34.8078, 0.4355, 0.4275



Tritanopia

34.6030, 0.4577, 0.3212

Trichromacy



Original Color

34.5726, 0.5024, 0.3725

Protanomaly

33.6634, 0.4329, 0.4038

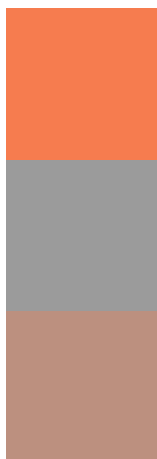
Deuteranomaly

34.3011, 0.4612, 0.4060

Tritanomaly

34.4935, 0.4758, 0.3406

Monochromacy



Original Color

34.5726, 0.5024, 0.3725

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.1702, 0.3788, 0.3528

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5726, 0.5024, 0.3725 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(246, 124, 79)` looks like.

```
.text, #text, p{  
    color:rgb(246, 124, 79)  
}
```

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(246, 124, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 124, 79) }
```

Border

The CSS property to change the border of an element to Yxy 34.5726, 0.5024, 0.3725 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(246, 124, 79) }
```

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

```
.border{ border-color:rgb(246, 124, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 124, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 124, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 124, 79);  
box-shadow:4px 4px 4px 4px rgb(246, 124,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5726, 0.5024, 0.3725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 124, 79) }
```

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

```
.background{ background-color: rgb(246,  
124, 79) }
```

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