

Converting Colors

$Y_{xy}(34.1005, 0.5311, 0.3745)$

Have a look what the booklet for
Yxy(34.1005, 0.5311, 0.3745)
contains.

Yxy(34.0986, 0.5311, 0.3745)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.0986, 0.5311, 0.3745)

Conversions

Conversions Part 1

Format	Color
Hex	FF743E
RGB	255, 116, 62
RGB Percent	100%, 45%, 24%
CMY	0.0000, 0.5451, 0.7567
CMYK	0.00, 0.55, 0.76, 0.00
HSL	17°, 100%, 62%
HSV	17°, 76%, 100%
XYZ	48.3572, 34.0986, 8.5952
YIQ	151.4050, 100.1780, 12.6740

Conversions

Conversions Part 2

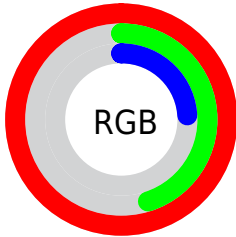
Format	Color
R _Y B	255, 137, 62
Decimal	16741438
CIE Lab	65.04, 49.84, 53.93
CIE LCh	65, 73.436, 47.255
Yxy	34.0986, 0.5311, 0.3745
Android (android.graphics.Color)	4294931518 (0xFFFF743E)
YUV	151.4050, -44.0767, 90.8528
Hunter-Lab	58.3940, 45.6297, 32.1487

Details

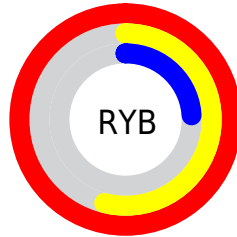
The Yxy color **34.0986, 0.5311, 0.3745** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **50.0337, 0.2120, 0.2591**, and the grayscale version is **31.2925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5781, 0.4425, 0.3883**, and **14.5413, 0.5867, 0.3668** is the 20% darker color. If you saturate the color by 10%, you get **30.0578, 0.5663, 0.3708**, and if you desaturate by 10%, it is **39.1098, 0.4928, 0.3738**.

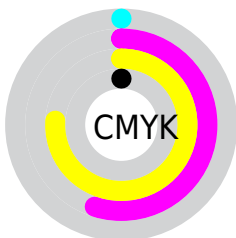
Distribution



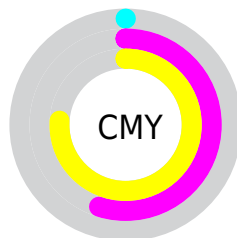
- Red (100%)
- Green (45%)
- Blue (24%)



- Red (100%)
- Yellow (54%)
- Blue (24%)



- Cyan (0%)
- Magenta (55%)
- Yellow (76%)
- Black (0%)





- Cyan (0%)
- Magenta (55%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0986, 0.5311, 0.3745 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 34.0986, 0.5311, 0.3745 by changing the saturation by 10% instead.


 34.0986, 0.5311,
0.3745


 34.0986, 0.5311,
0.3745


320.5715, 0.4205,
0.3636

 22.9694, 0.5565,
0.3724


 66.0870, 0.4920,
0.3740


 14.5709, 0.5868,
0.3669


 87.7149, 0.4769,
0.3727


 8.5188, 0.6248,
0.3562


 113.6112, 0.4639,
0.3712

 4.4287, 0.6668,
0.3332

 144.1602, 0.4528,
0.3696

 1.9161, 0.7108,
0.2892

 179.7463, 0.4431,
0.3680

 0.5580, 0.7909,
0.2091

220.7540, 0.4346,

 0.0000, 1.0000,

0.3665

0.0000

267.5676, 0.4271,
0.3650

■ 0.0000, 0.0000,
0.0000

■ 34.0986, 0.5311,
0.3745

■ 34.0986, 0.5311,
0.3745

■ 30.0578, 0.5663,
0.3708

■ 39.1098, 0.4928,
0.3738

■ 26.9147, 0.5944,
0.3626

■ 45.1502, 0.4550,
0.3697

■ 25.8069, 0.6043,
0.3584

■ 52.2769, 0.4201,
0.3633

■ 60.5418, 0.3894,
0.3559

■ 69.9931, 0.3630,
0.3480

 80.6763, 0.3407,
0.3403

 92.6344, 0.3219,
0.3330

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



34.0986, 0.4986, 0.3030



34.0986, 0.5311, 0.3745



34.0986, 0.4916, 0.4515

Triad

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



34.0986, 0.5311, 0.3745



34.0986, 0.2141, 0.4485



34.0986, 0.1955, 0.1716

Complementary

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



34.0986, 0.5311, 0.3745



50.0337, 0.2120, 0.2591

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.



34.0986, 0.1474, 0.1788



34.0986, 0.5311, 0.3745



34.0986, 0.1532, 0.3158

Square

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



34.0986, 0.5311, 0.3745



34.0986, 0.3082, 0.5363



34.0986, 0.1332, 0.2223



34.0986, 0.2822, 0.1930

Rectangle

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



34.0986, 0.5311, 0.3745



34.0986, 0.4392, 0.5010



34.0986, 0.1332, 0.2223



34.0986, 0.1754, 0.1706

Sweetspot

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



34.0996, 0.5311, 0.3745



72.7258, 0.3567, 0.3459



29.0468, 0.3777, 0.2039



14.7801, 0.3653, 0.3488



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.



34.0996, 0.5311, 0.3745



28.2763, 0.5824, 0.3670



67.6890, 0.4431, 0.4604



18.8140, 0.3287, 0.3357



13.6997, 0.6014, 0.3607



1.5087, 0.5794, 0.3781

Inverse Universe

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



50.0337, 0.2120, 0.2591



44.2724, 0.2020, 0.2428



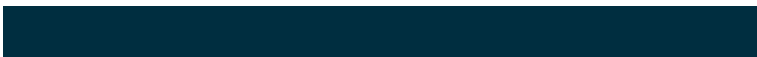
18.7732, 0.1795, 0.1332



19.5721, 0.2980, 0.3222



21.8814, 0.1987, 0.2352



2.3151, 0.2020, 0.2471

Previews

White Background



This preview shows how the Yxy color 34.0986, 0.5311, 0.3745 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 34.0986, 0.5311, 0.3745 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 34.0986, 0.5311, 0.3745

Background



This preview shows how black text looks on a background with the Yxy color 34.0986, 0.5311, 0.3745.



This preview shows how white text looks on a background with the Yxy color 34.0986, 0.5311, 0.3745.

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

34.0986, 0.5311, 0.3745

Protanopia

34.0757, 0.4057, 0.4434

Deuteranopia

34.0755, 0.4523, 0.4424



Tritanopia

34.1803, 0.4754, 0.3226

Trichromacy



Original Color

34.0986, 0.5311, 0.3745

Protanomaly

32.9245, 0.4535, 0.4167

Deuteranomaly

33.5226, 0.4835, 0.4154

Tritanomaly

33.9521, 0.4994, 0.3436

Monochromacy



Original Color

34.0986, 0.5311, 0.3745

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.3277, 0.3917, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0986, 0.5311, 0.3745 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, 116, 62)` looks like.

```
.text, #text, p{  
    color:rgb(255, 116, 62)  
}
```

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, 116, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 116, 62) }
```

Border

The CSS property to change the border of an element to Yxy 34.0986, 0.5311, 0.3745 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, 116, 62) }
```

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

```
.border{ border-color:rgb(255, 116, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 116, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 116, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 116, 62);  
box-shadow:4px 4px 4px 4px rgb(255, 116,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0986, 0.5311, 0.3745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 116, 62) }
```

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

```
.background{ background-color: rgb(255,  
116, 62) }
```

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