

Converting Colors

$Y_{xy}(41.1135, 0.5467, 0.3641)$

Have a look what the booklet for
Yxy(41.1135, 0.5467, 0.3641)
contains.

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Color

Yxy(34.3999, 0.5254, 0.3715)

Conversions

Conversions Part 1

Format	Color
Hex	FF7544
RGB	255, 117, 68
RGB Percent	100%, 46%, 27%
CMY	0.0000, 0.5412, 0.7333
CMYK	0.00, 0.54, 0.73, 0.00
HSL	16°, 100%, 63%
HSV	16°, 73%, 100%
XYZ	48.6506, 34.3999, 9.5468
YIQ	152.6760, 97.9770, 14.0170

Conversions

Conversions Part 2

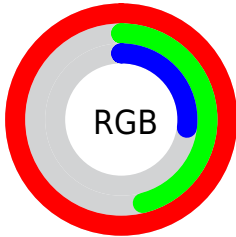
Format	Color
R_{YB}	255, 134, 68
Decimal	16741700
CIE Lab	65.28, 49.62, 51.28
CIE LCh	65, 71.363, 45.943
Yxy	34.3999, 0.5254, 0.3715
Android (android.graphics.Color)	4294931780 (0xFFFF7544)
YUV	152.6760, -41.7453, 89.7381
Hunter-Lab	58.6514, 45.4235, 31.4053

Details

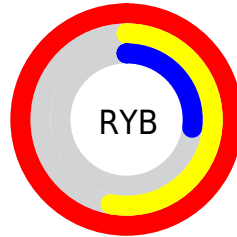
The Yxy color **34.3999, 0.5254, 0.3715** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **52.6040, 0.2151, 0.2662**, and the grayscale version is **31.8576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.0731, 0.4377, 0.3846**, and **14.6751, 0.5811, 0.3649** is the 20% darker color. If you saturate the color by 10%, you get **30.1981, 0.5624, 0.3688**, and if you desaturate by 10%, it is **39.6149, 0.4861, 0.3702**.

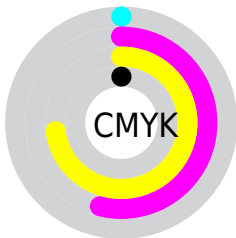
Distribution



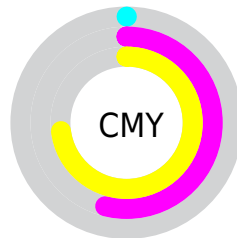
- Red (100%)
- Green (46%)
- Blue (27%)



- Red (100%)
- Yellow (53%)
- Blue (27%)



- Cyan (0%)
- Magenta (54%)
- Yellow (73%)
- Black (0%)





- Cyan (0%)
- Magenta (54%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3999, 0.5254, 0.3715 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 34.3999, 0.5254, 0.3715 by changing the saturation by 10% instead.

 34.3999, 0.5254,
0.3715


 34.3999, 0.5254,
0.3715

321.9115, 0.4171,
0.3611


 23.2010, 0.5506,
0.3697


 66.5551, 0.4869,
0.3709


 14.7420, 0.5811,
0.3648


 88.2801, 0.4720,
0.3696

 8.6385, 0.6183,
0.3543


 114.2826, 0.4594,
0.3682

 4.5062, 0.6653,
0.3347

 144.9471, 0.4485,
0.3667

 1.9605, 0.7088,
0.2912

 180.6578, 0.4391,
0.3652

 0.5844, 0.7861,
0.2139

221.7991, 0.4309,

 0.0000, 1.0000,

0.3638

0.0000

268.7556, 0.4236,
0.3624

■ 0.0000, 0.0000,
0.0000

■ 34.3999, 0.5254,
0.3715

■ 34.3999, 0.5254,
0.3715

■ 30.1981, 0.5624,
0.3688

■ 39.6149, 0.4861,
0.3702

■ 26.9430, 0.5927,
0.3616

■ 45.9130, 0.4481,
0.3658


■ 25.2494, 0.6083,
0.3552

■ 53.3510, 0.4135,
0.3596

■ 61.9830, 0.3833,
0.3525

■ 71.8598, 0.3577,
0.3451

 83.0287, 0.3361,
0.3379

 95.5350, 0.3180,
0.3312

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.



34.3999, 0.4898, 0.3014



34.3999, 0.5254, 0.3715



34.3999, 0.4905, 0.4465

Triad

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



34.3999, 0.5254, 0.3715



34.3999, 0.2208, 0.4497



34.3999, 0.1957, 0.1749

Complementary

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



34.3999, 0.5254, 0.3715



52.6040, 0.2151, 0.2662

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.



34.3999, 0.1499, 0.1836



34.3999, 0.5254, 0.3715



34.3999, 0.1591, 0.3219

Square

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



34.3999, 0.5254, 0.3715



34.3999, 0.3137, 0.5306



34.3999, 0.1374, 0.2285



34.3999, 0.2788, 0.1947

Rectangle

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



34.3999, 0.5254, 0.3715



34.3999, 0.4408, 0.4944



34.3999, 0.1374, 0.2285



34.3999, 0.1764, 0.1744

Sweetspot

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



34.3980, 0.5254, 0.3715



73.2667, 0.3546, 0.3442



29.9627, 0.3712, 0.2032



15.0720, 0.3610, 0.3462



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.



34.3980, 0.5254, 0.3715



28.5642, 0.5776, 0.3659



66.9132, 0.4422, 0.4559



18.7605, 0.3288, 0.3353



13.3979, 0.6055, 0.3575



1.4732, 0.5836, 0.3748

Inverse Universe

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



52.6040, 0.2151, 0.2662



47.0864, 0.2051, 0.2516



20.6567, 0.1838, 0.1431



19.6289, 0.2980, 0.3226



22.8688, 0.2004, 0.2415



2.4046, 0.2035, 0.2527

Previews

White Background



This preview shows how the Yxy color 34.3999, 0.5254, 0.3715 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 34.3999, 0.5254, 0.3715 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 34.3999, 0.5254, 0.3715

Background



This preview shows how black text looks on a background with the Yxy color 34.3999, 0.5254, 0.3715.



This preview shows how white text looks on a background with the Yxy color 34.3999, 0.5254, 0.3715.

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

34.3999, 0.5254, 0.3715

Protanopia

34.5043, 0.4003, 0.4376

Deuteranopia

34.4652, 0.4468, 0.4379



Tritanopia

34.4263, 0.4736, 0.3226

Trichromacy



Original Color

34.3999, 0.5254, 0.3715

Protanomaly

33.3057, 0.4475, 0.4120

Deuteranomaly

33.8842, 0.4775, 0.4112

Tritanomaly

34.2342, 0.4953, 0.3418

Monochromacy



Original Color

34.3999, 0.5254, 0.3715

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.1085, 0.3884, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3999, 0.5254, 0.3715 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, 68)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 68)  
}
```

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, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 68) }
```

Border

The CSS property to change the border of an element to Yxy 34.3999, 0.5254, 0.3715 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, 68) }
```

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

```
.border{ border-color:rgb(255, 117, 68) }
```

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, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 68);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
68) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 34.3999, 0.5254, 0.3715$ 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, 68) }
```

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

```
.background{ background-color: rgb(255,  
117, 68) }
```

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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