

Converting Colors

$Y_{xy}(35.7595, 0.5152, 0.3724)$

Have a look what the booklet for
Yxy(35.7595, 0.5152, 0.3724)
contains.

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Color

Yxy(35.6735, 0.5157, 0.3721)

Conversions

Conversions Part 1

Format	Color
Hex	FF7A4A
RGB	255, 122, 74
RGB Percent	100%, 48%, 29%
CMY	0.0000, 0.5216, 0.7098
CMYK	0.00, 0.52, 0.71, 0.00
HSL	16°, 100%, 65%
HSV	16°, 71%, 100%
XYZ	49.4405, 35.6735, 10.7567
YIQ	156.2950, 94.6760, 13.2680

Conversions

Conversions Part 2

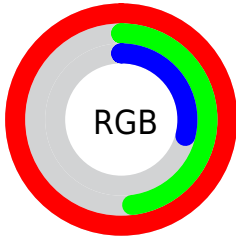
Format	Color
R _Y B	255, 139, 74
Decimal	16742986
CIE Lab	66.27, 47.51, 49.39
CIE LCh	66, 68.527, 46.113
Yxy	35.6735, 0.5157, 0.3721
Android (android.graphics.Color)	4294933066 (0xFFFF7A4A)
YUV	156.2950, -40.5714, 86.5643
Hunter-Lab	59.7273, 43.2344, 31.1312

Details

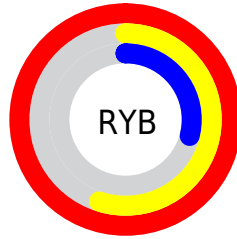
The Yxy color **35.6735, 0.5157, 0.3721** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **53.2999, 0.2169, 0.2677**, and the grayscale version is **33.5348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.1849, 0.4287, 0.3829**, and **15.5329, 0.5694, 0.3679** is the 20% darker color. If you saturate the color by 10%, you get **31.2291, 0.5534, 0.3704**, and if you desaturate by 10%, it is **41.1410, 0.4766, 0.3699**.

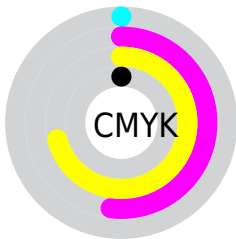
Distribution



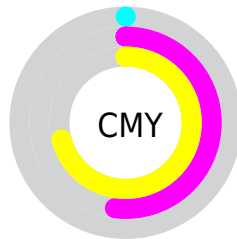
- Red (100%)
- Green (48%)
- Blue (29%)



- Red (100%)
- Yellow (55%)
- Blue (29%)



- Cyan (0%)
- Magenta (52%)
- Yellow (71%)
- Black (0%)





- Cyan (0%)
- Magenta (52%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6735, 0.5157, 0.3721 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 35.6735, 0.5157, 0.3721 by changing the saturation by 10% instead.


 35.6735, 0.5157,
0.3721


 35.6735, 0.5157,
0.3721


327.5312, 0.4124,
0.3603


 24.1821, 0.5400,
0.3711


 68.5278, 0.4788,
0.3706


 15.4688, 0.5695,
0.3675


 90.6596, 0.4647,
0.3692


 9.1490, 0.6053,
0.3587


 117.1069, 0.4527,
0.3676

 4.8385, 0.6557,
0.3443

 148.2542, 0.4423,
0.3660

 2.1528, 0.6965,
0.3035

 184.4859, 0.4333,
0.3645

 0.6941, 0.7640,
0.2360

226.1864, 0.4255,

 0.0000, 1.0000,

0.3630

0.0000

273.7400, 0.4186,
0.3616

■ 0.0000, 0.0000,
0.0000

■ 35.6735, 0.5157,
0.3721

■ 35.6735, 0.5157,
0.3721

■ 31.2291, 0.5534,
0.3704

■ 41.1410, 0.4766,
0.3699

■ 27.7434, 0.5857,
0.3643

■ 47.6985, 0.4393,
0.3650


■ 25.3490, 0.6075,
0.3558

■ 55.4010, 0.4059,
0.3584

■ 64.3015, 0.3769,
0.3510

■ 74.4491, 0.3522,
0.3436

 85.8903, 0.3315,
0.3364

 98.6692, 0.3143,
0.3296

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.



35.6735, 0.4814, 0.3038



35.6735, 0.5157, 0.3721



35.6735, 0.4836, 0.4441

Triad

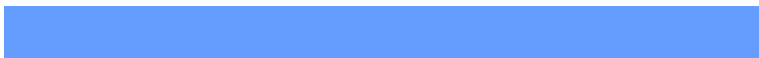
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



35.6735, 0.5157, 0.3721



35.6735, 0.2253, 0.4421



35.6735, 0.2011, 0.1809

Complementary

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



35.6735, 0.5157, 0.3721



53.2999, 0.2169, 0.2677

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.



35.6735, 0.1562, 0.1895



35.6735, 0.5157, 0.3721



35.6735, 0.1655, 0.3224

Square

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



35.6735, 0.5157, 0.3721



35.6735, 0.3146, 0.5191



35.6735, 0.1441, 0.2333



35.6735, 0.2813, 0.2002

Rectangle

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



35.6735, 0.5157, 0.3721



35.6735, 0.4365, 0.4888



35.6735, 0.1441, 0.2333



35.6735, 0.1823, 0.1804

Sweetspot

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



35.6720, 0.5157, 0.3721



74.4315, 0.3522, 0.3436



30.7970, 0.3688, 0.2054



15.3045, 0.3586, 0.3457



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.



35.6720, 0.5157, 0.3721



29.7183, 0.5673, 0.3685



67.7231, 0.4385, 0.4537



18.7704, 0.3288, 0.3354



13.4519, 0.6047, 0.3580



1.4796, 0.5828, 0.3754

Inverse Universe

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



53.2999, 0.2169, 0.2677



47.8054, 0.2066, 0.2536



21.9273, 0.1873, 0.1494



19.6184, 0.2980, 0.3225



22.6845, 0.2001, 0.2403



2.3879, 0.2032, 0.2516

Previews

White Background



This preview shows how the Yxy color 35.6735, 0.5157, 0.3721 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 35.6735, 0.5157, 0.3721 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 35.6735, 0.5157, 0.3721

Background



This preview shows how black text looks on a background with the Yxy color 35.6735, 0.5157, 0.3721.



This preview shows how white text looks on a background with the Yxy color 35.6735, 0.5157, 0.3721.

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

35.6735, 0.5157, 0.3721

Protanopia

35.9938, 0.3966, 0.4325

Deuteranopia

35.9340, 0.4422, 0.4334



Tritanopia

35.6975, 0.4645, 0.3225

Trichromacy



Original Color

35.6735, 0.5157, 0.3721

Protanomaly

34.5984, 0.4417, 0.4085

Deuteranomaly

35.1604, 0.4710, 0.4079

Tritanomaly

35.4943, 0.4861, 0.3421

Monochromacy



Original Color

35.6735, 0.5157, 0.3721

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.6593, 0.3843, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6735, 0.5157, 0.3721 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, 122, 74)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 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, 122, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 74) }
```

Border

The CSS property to change the border of an element to Yxy 35.6735, 0.5157, 0.3721 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, 122, 74) }
```

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

```
.border{ border-color:rgb(255, 122, 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, 122, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 74);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6735, 0.5157, 0.3721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 122, 74) }
```

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

```
.background{ background-color: rgb(255,  
122, 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](#).

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