

Converting Colors

$Y_{xy}(33.3701, 0.5229, 0.3610)$

Have a look what the booklet for
Yxy(33.3701, 0.5229, 0.3610)
contains.

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Color

Yxy(33.3701, 0.5229, 0.3610)

Conversions

Conversions Part 1

Format	Color
Hex	FF704C
RGB	255, 112, 76
RGB Percent	100%, 44%, 30%
CMY	0.0000, 0.5607, 0.7019
CMYK	0.00, 0.56, 0.70, 0.00
HSL	12°, 100%, 65%
HSV	12°, 70%, 100%
XYZ	48.3358, 33.3701, 10.7320
YIQ	150.6530, 96.7840, 19.1200

Conversions

Conversions Part 2

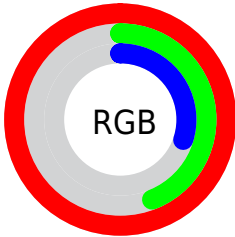
Format	Color
RYB	255, 121, 76
Decimal	16740428
CIELab	64.46, 52.29, 46.34
CIElCh	64, 69.868, 41.546
Yxy	33.3701, 0.5229, 0.3610
Android (android.graphics.Color)	4294930508 (0xFFFF704C)
YUV	150.6530, -36.8039, 91.5123
Hunter-Lab	57.7669, 48.2660, 29.4218

Details

The Yxy color **33.3701, 0.5229, 0.3610** 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 **59.4074, 0.2214, 0.2837**, and the grayscale version is **30.9234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4038, 0.4338, 0.3717**, and **14.0913, 0.5804, 0.3530** is the 20% darker color. If you saturate the color by 10%, you get **29.0861, 0.5633, 0.3591**, and if you desaturate by 10%, it is **38.8148, 0.4810, 0.3596**.

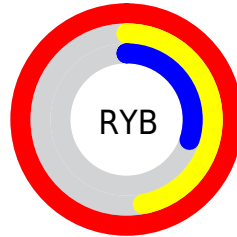
Distribution



Red (100%)

Green (44%)

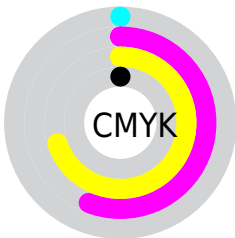
Blue (30%)



Red (100%)

Yellow (47%)

Blue (30%)

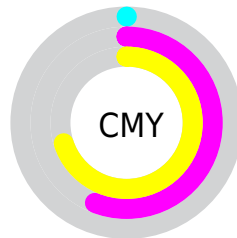


Cyan (0%)

Magenta (56%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3701, 0.5229, 0.3610 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 33.3701, 0.5229, 0.3610 by changing the saturation by 10% instead.


 33.3701, 0.5229,
0.3610

 33.3701, 0.5229,
0.3610


317.3141, 0.4144,
0.3547


 22.4101, 0.5490,
0.3586


 64.9529, 0.4838,
0.3615

 14.1586, 0.5810,
0.3531


 86.3445, 0.4689,
0.3609


 8.2310, 0.6202,
0.3419


 111.9822, 0.4563,
0.3600

 4.2431, 0.6761,
0.3239

 142.2502, 0.4454,
0.3589

 1.8105, 0.7221,
0.2779

 177.5330, 0.4361,
0.3579

 0.4937, 0.8102,
0.1898

218.2150, 0.4279,

 0.0000, 1.0000,

0.3568

0.0000

264.6806, 0.4208,
0.3557

■ 0.0000, 0.0000,
0.0000

■ 33.3701, 0.5229,
0.3610

■ 33.3701, 0.5229,
0.3610

■ 29.0861, 0.5633,
0.3591

■ 38.8148, 0.4810,
0.3596

■ 25.8703, 0.5970,
0.3536


■ 45.4925, 0.4415,
0.3560

■ 23.6520, 0.6202,
0.3457

■ 53.4758, 0.4063,
0.3510

■ 62.8300, 0.3763,
0.3454

■ 73.6160, 0.3511,
0.3397

 85.8910, 0.3302,
0.3342

99.7089, 0.3130,
0.3291

99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



33.3701, 0.4766, 0.2921



33.3701, 0.5229, 0.3610



33.3701, 0.4976, 0.4349

Triad

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



33.3701, 0.5229, 0.3610



33.3701, 0.2340, 0.4652



33.3701, 0.1878, 0.1755

Complementary

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



33.3701, 0.5229, 0.3610



59.4074, 0.2214, 0.2837

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.



33.3701, 0.1473, 0.1889



33.3701, 0.5229, 0.3610



33.3701, 0.1669, 0.3397

Square

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



33.3701, 0.5229, 0.3610



33.3701, 0.3285, 0.5315



33.3701, 0.1397, 0.2400



33.3701, 0.2649, 0.1913

Rectangle

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



33.3701, 0.5229, 0.3610



33.3701, 0.4521, 0.4835



33.3701, 0.1397, 0.2400



33.3701, 0.1705, 0.1765

Sweetspot

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



33.3720, 0.5229, 0.3610



72.6974, 0.3530, 0.3401



31.5522, 0.3574, 0.1991



14.8984, 0.3595, 0.3417



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.



33.3720, 0.5229, 0.3610



27.7433, 0.5772, 0.3574



63.6901, 0.4441, 0.4455



18.5787, 0.3289, 0.3339



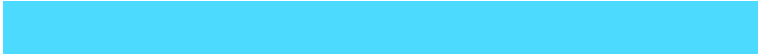
12.5259, 0.6178, 0.3477



1.3651, 0.5972, 0.3640

Inverse Universe

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



59.4074, 0.2214, 0.2837



54.7260, 0.2122, 0.2734



24.6420, 0.1913, 0.1627



19.8240, 0.2980, 0.3241



26.4801, 0.2064, 0.2629



2.7283, 0.2087, 0.2713

Previews

White Background



This preview shows how the Yxy color 33.3701, 0.5229, 0.3610 looks on a white background.

Color Contrast Check

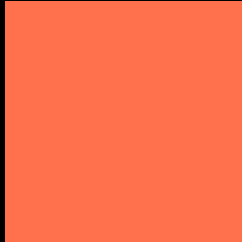
Large Text (above 18pt) WCAG AA × Fail

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 33.3701, 0.5229, 0.3610 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 33.3701, 0.5229, 0.3610

Background



This preview shows how black text looks on a background with the Yxy color 33.3701, 0.5229, 0.3610.



This preview shows how white text looks on a background with the Yxy color 33.3701, 0.5229, 0.3610.

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

33.3701, 0.5229, 0.3610

Protanopia

33.6399, 0.3901, 0.4239

Deuteranopia

33.3816, 0.4390, 0.4305



Tritanopia

33.4351, 0.4822, 0.3237

Trichromacy



Original Color

33.3701, 0.5229, 0.3610

Protanomaly

32.2782, 0.4390, 0.3985

Deuteranomaly

32.6622, 0.4714, 0.4024

Tritanomaly

33.3514, 0.4983, 0.3380

Monochromacy



Original Color

33.3701, 0.5229, 0.3610

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.1654, 0.3865, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3701, 0.5229, 0.3610 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, 112, 76)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 76)  
}
```

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, 112, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 76) }
```

Border

The CSS property to change the border of an element to Yxy 33.3701, 0.5229, 0.3610 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, 112, 76) }
```

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

```
.border{ border-color:rgb(255, 112, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 76);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3701, 0.5229, 0.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 76) }
```

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

```
.background{ background-color: rgb(255,  
112, 76) }
```

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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