

Converting Colors

$Y_{xy}(49.2972, 0.5680, 0.3587)$

Have a look what the booklet for
Yxy(49.2972, 0.5680, 0.3587)
contains.

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Color

Yxy(33.8803, 0.5313, 0.3729)

Conversions

Conversions Part 1

Format	Color
Hex	FF733F
RGB	255, 115, 63
RGB Percent	100%, 45%, 25%
CMY	0.0000, 0.5490, 0.7528
CMYK	0.00, 0.55, 0.75, 0.00
HSL	16°, 100%, 62%
HSV	16°, 75%, 100%
XYZ	48.2719, 33.8803, 8.7040
YIQ	150.9320, 100.1320, 13.5080

Conversions

Conversions Part 2

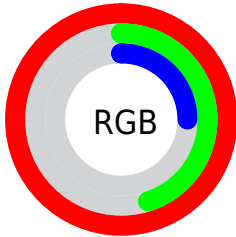
Format	Color
R_{YB}	255, 134, 63
Decimal	16741183
CIE _{Lab}	64.87, 50.36, 53.27
CIE _{LCh}	65, 73.304, 46.611
Yxy	33.8803, 0.5313, 0.3729
Android (android.graphics.Color)	4294931263 (0xFFFF733F)
YUV	150.9320, -43.3505, 91.2676
Hunter-Lab	58.2068, 46.1714, 31.8787

Details

The Yxy color **33.8803, 0.5313, 0.3729** 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 **51.0117, 0.2129, 0.2619**, and the grayscale version is **31.0744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2017, 0.4432, 0.3873**, and **14.4380, 0.5872, 0.3652** is the 20% darker color. If you saturate the color by 10%, you get **29.8357, 0.5670, 0.3694**, and if you desaturate by 10%, it is **38.9122, 0.4925, 0.3722**.

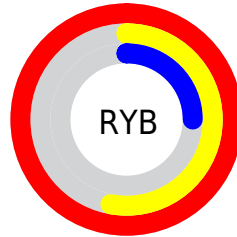
Distribution



Red (100%)

Green (45%)

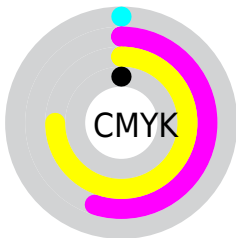
Blue (25%)



Red (100%)

Yellow (53%)

Blue (25%)

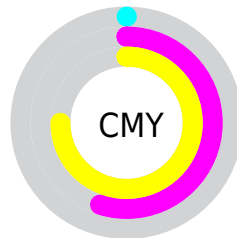


Cyan (0%)

Magenta (55%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (55%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8803, 0.5313, 0.3729 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 33.8803, 0.5313, 0.3729 by changing the saturation by 10% instead.

 33.8803, 0.5313,
0.3729


 33.8803, 0.5313,
0.3729


319.5980, 0.4203,
0.3626


 22.8017, 0.5569,
0.3707


 65.7475, 0.4920,
0.3726


 14.4471, 0.5875,
0.3650


 87.3048, 0.4768,
0.3714


 8.4323, 0.6258,
0.3541


 113.1238, 0.4638,
0.3700

 4.3728, 0.6690,
0.3310

 143.5889, 0.4527,
0.3685

 1.8842, 0.7134,
0.2866

 179.0845, 0.4430,
0.3670

 0.5389, 0.7958,
0.2042

219.9949, 0.4345,

 0.0000, 1.0000,

0.3655

0.0000

266.7046, 0.4270,
0.3640

■ 0.0000, 0.0000,
0.0000

■ 33.8803, 0.5313,
0.3729

■ 33.8803, 0.5313,
0.3729

■ 29.8357, 0.5670,
0.3694

■ 38.9122, 0.4925,
0.3722

■ 26.7071, 0.5956,
0.3614


■ 44.9953, 0.4544,
0.3681

■ 25.5183, 0.6063,
0.3568

■ 52.1873, 0.4194,
0.3620

■ 60.5415, 0.3886,
0.3547

■ 70.1077, 0.3622,
0.3471

 80.9326, 0.3399,
0.3397

 93.0603, 0.3213,
0.3326

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.



33.8803, 0.4971, 0.3015



33.8803, 0.5313, 0.3729



33.8803, 0.4931, 0.4498

Triad

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



33.8803, 0.5313, 0.3729



33.8803, 0.2159, 0.4513



33.8803, 0.1941, 0.1714

Complementary

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



33.8803, 0.5313, 0.3729



51.0117, 0.2129, 0.2619

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.



33.8803, 0.1467, 0.1793



33.8803, 0.5313, 0.3729



33.8803, 0.1540, 0.3184

Square

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



33.8803, 0.5313, 0.3729



33.8803, 0.3104, 0.5371



33.8803, 0.1332, 0.2237



33.8803, 0.2799, 0.1922

Rectangle

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



33.8803, 0.5313, 0.3729



33.8803, 0.4411, 0.4995



33.8803, 0.1332, 0.2237



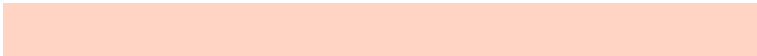
33.8803, 0.1742, 0.1706

Sweetspot

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



33.8802, 0.5313, 0.3729



72.4605, 0.3568, 0.3454



29.1704, 0.3773, 0.2042



14.7171, 0.3655, 0.3482



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.



33.8802, 0.5313, 0.3729



28.2488, 0.5816, 0.3661



67.8163, 0.4425, 0.4600



18.7868, 0.3288, 0.3355



13.5437, 0.6035, 0.3590



1.4905, 0.5815, 0.3764

Inverse Universe

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



51.0117, 0.2129, 0.2619



45.5220, 0.2034, 0.2468



18.9681, 0.1800, 0.1342



19.6009, 0.2980, 0.3224



22.3793, 0.1996, 0.2384



2.3603, 0.2028, 0.2499

Previews

White Background



This preview shows how the Yxy color 33.8803, 0.5313, 0.3729 looks on a white background.

Color Contrast Check

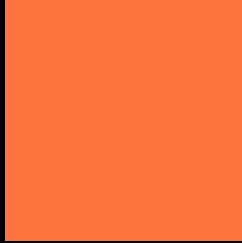
Large Text (above 18pt) WCAG AA × Fail

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 33.8803, 0.5313, 0.3729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

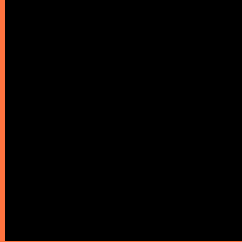
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.8803, 0.5313, 0.3729

Background



This preview shows how black text looks on a background with the Yxy color 33.8803, 0.5313, 0.3729.



This preview shows how white text looks on a background with the Yxy color 33.8803, 0.5313, 0.3729.

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

33.8803, 0.5313, 0.3729

Protanopia

34.0895, 0.4050, 0.4423

Deuteranopia

33.9494, 0.4507, 0.4422



Tritanopia

33.9369, 0.4772, 0.3227

Trichromacy



Original Color

33.8803, 0.5313, 0.3729

Protanomaly

32.6383, 0.4536, 0.4146

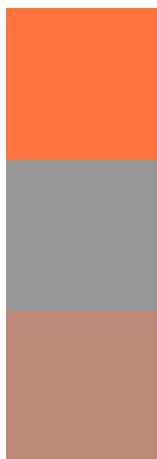
Deuteranomaly

33.0922, 0.4830, 0.4141

Tritanomaly

33.7302, 0.5002, 0.3426

Monochromacy



Original Color

33.8803, 0.5313, 0.3729

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 33.8803, 0.5313, 0.3729 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, 115, 63)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 63)  
}
```

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, 115, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 63) }
```

Border

The CSS property to change the border of an element to Yxy 33.8803, 0.5313, 0.3729 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, 115, 63) }
```

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

```
.border{ border-color:rgb(255, 115, 63) }
```

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

Here you see how a box with a 4 pixel rgb(255, 115, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 63);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8803, 0.5313, 0.3729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 63) }
```

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

```
.background{ background-color: rgb(255,  
115, 63) }
```

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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