

Converting Colors

Yxy(33.8584, 0.5329, 0.3742)

Have a look what the booklet for
Yxy(33.8584, 0.5329, 0.3742)
contains.

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Color

Yxy(33.8584, 0.5329, 0.3742)

Conversions

Conversions Part 1

Format	Color
Hex	FF733D
RGB	255, 115, 61
RGB Percent	100%, 45%, 24%
CMY	0.0000, 0.5490, 0.7609
CMYK	0.00, 0.55, 0.76, 0.00
HSL	17°, 100%, 62%
HSV	17°, 76%, 100%
XYZ	48.2179, 33.8584, 8.4058
YIQ	150.7040, 100.7740, 12.8860

Conversions

Conversions Part 2

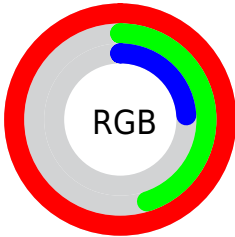
Format	Color
R _Y B	255, 136, 61
Decimal	16741181
CIE Lab	64.85, 50.28, 54.24
CIE LCh	65, 73.959, 47.167
Yxy	33.8584, 0.5329, 0.3742
Android (android.graphics.Color)	4294931261 (0xFFFF733D)
YUV	150.7040, -44.2241, 91.4676
Hunter-Lab	58.1880, 46.0864, 32.1666

Details

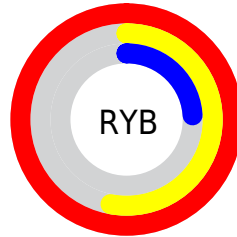
The Yxy color **33.8584, 0.5329, 0.3742** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **49.9784, 0.2118, 0.2590**, and the grayscale version is **30.9712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1793, 0.4440, 0.3882**, and **14.4292, 0.5889, 0.3664** is the 20% darker color. If you saturate the color by 10%, you get **29.8585, 0.5679, 0.3703**, and if you desaturate by 10%, it is **38.8230, 0.4945, 0.3737**.

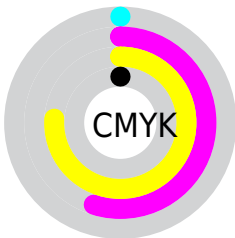
Distribution



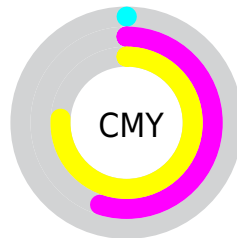
- Red (100%)
- Green (45%)
- Blue (24%)



- Red (100%)
- Yellow (53%)
- 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 33.8584, 0.5329, 0.3742 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 33.8584, 0.5329, 0.3742 by changing the saturation by 10% instead.


 33.8584, 0.5329,
0.3742


 33.8584, 0.5329,
0.3742


319.5002, 0.4214,
0.3636

 22.7848, 0.5585,
0.3719


 65.7134, 0.4935,
0.3739


 14.4347, 0.5889,
0.3661


 87.2636, 0.4782,
0.3727


 8.4236, 0.6275,
0.3553


 113.0749, 0.4652,
0.3712

 4.3672, 0.6688,
0.3312

 143.5316, 0.4539,
0.3697

 1.8810, 0.7133,
0.2867

 179.0180, 0.4442,
0.3681

 0.5369, 0.7959,
0.2041

 219.9187, 0.4356,

 0.0000, 1.0000,

0.3665

0.0000

266.6180, 0.4281,
0.3650

■ 0.0000, 0.0000,
0.0000

■ 33.8584, 0.5329,
0.3742

■ 33.8584, 0.5329,
0.3742

■ 29.8585, 0.5679,
0.3703

■ 38.8230, 0.4945,
0.3737

■ 26.7579, 0.5957,
0.3620


■ 44.8196, 0.4566,
0.3697


■ 25.7652, 0.6046,
0.3582

■ 51.9032, 0.4216,
0.3635

■ 60.1260, 0.3906,
0.3561

■ 69.5366, 0.3640,
0.3483

 80.1808, 0.3415,
0.3406

 92.1019, 0.3227,
0.3332

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.



33.8584, 0.5001, 0.3024



33.8584, 0.5329, 0.3742



33.8584, 0.4930, 0.4517

Triad

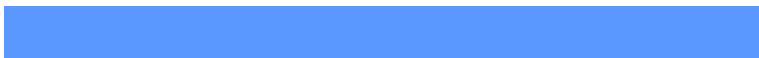
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.8584, 0.5329, 0.3742



33.8584, 0.2134, 0.4501



33.8584, 0.1944, 0.1705

Complementary

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



33.8584, 0.5329, 0.3742



49.9784, 0.2118, 0.2590

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.



33.8584, 0.1462, 0.1778



33.8584, 0.5329, 0.3742



33.8584, 0.1521, 0.3158

Square

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



33.8584, 0.5329, 0.3742



33.8584, 0.3082, 0.5386



33.8584, 0.1319, 0.2215



33.8584, 0.2815, 0.1919

Rectangle

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



33.8584, 0.5329, 0.3742



33.8584, 0.4401, 0.5019



33.8584, 0.1319, 0.2215



33.8584, 0.1742, 0.1695

Sweetspot

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



33.8567, 0.5329, 0.3742



72.6880, 0.3567, 0.3459



28.9196, 0.3782, 0.2036



14.7712, 0.3653, 0.3487



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.



33.8567, 0.5329, 0.3742



28.2276, 0.5827, 0.3667



67.5560, 0.4437, 0.4607



18.8101, 0.3287, 0.3357



13.6772, 0.6017, 0.3604



1.5061, 0.5797, 0.3779

Inverse Universe

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



49.9784, 0.2118, 0.2590



44.4016, 0.2022, 0.2432



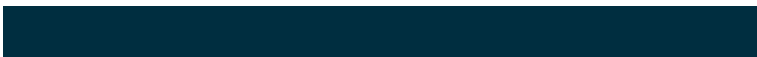
18.5714, 0.1789, 0.1321



19.5762, 0.2980, 0.3222



21.9517, 0.1988, 0.2356



2.3215, 0.2021, 0.2475

Previews

White Background



This preview shows how the Yxy color 33.8584, 0.5329, 0.3742 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 33.8584, 0.5329, 0.3742 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 33.8584, 0.5329, 0.3742

Background



This preview shows how black text looks on a background with the Yxy color 33.8584, 0.5329, 0.3742.



This preview shows how white text looks on a background with the Yxy color 33.8584, 0.5329, 0.3742.

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

33.8584, 0.5329, 0.3742

Protanopia

34.0621, 0.4065, 0.4446

Deuteranopia

33.9220, 0.4525, 0.4445



Tritanopia

33.9132, 0.4785, 0.3237

Trichromacy



Original Color

33.8584, 0.5329, 0.3742

Protanomaly

32.6130, 0.4552, 0.4165

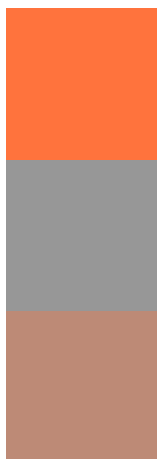
Deuteranomaly

33.0726, 0.4844, 0.4155

Tritanomaly

33.7114, 0.5013, 0.3435

Monochromacy



Original Color

33.8584, 0.5329, 0.3742

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.3038, 0.3928, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8584, 0.5329, 0.3742 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, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 61)  
}
```

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, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 61) }
```

Border

The CSS property to change the border of an element to Yxy 33.8584, 0.5329, 0.3742 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, 61) }
```

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

```
.border{ border-color:rgb(255, 115, 61) }
```

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, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8584, 0.5329, 0.3742 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, 61) }
```

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

```
.background{ background-color: rgb(255,  
115, 61) }
```

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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