

Converting Colors

$Y_{xy}(33.9469, 0.5420, 0.3835)$

Have a look what the booklet for
Yxy(33.9469, 0.5420, 0.3835)
contains.

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Color

Yxy(33.9480, 0.5419, 0.3834)

Conversions

Conversions Part 1

Format	Color
Hex	FF742E
RGB	255, 116, 46
RGB Percent	100%, 45%, 18%
CMY	0.0000, 0.5451, 0.8194
CMYK	0.00, 0.55, 0.82, 0.00
HSL	20°, 100%, 59%
HSV	20°, 82%, 100%
XYZ	47.9823, 33.9480, 6.6143
YIQ	149.5810, 105.3140, 7.6980

Conversions

Conversions Part 2

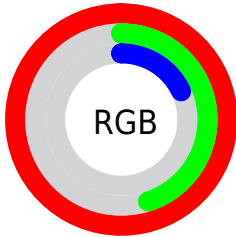
Format	Color
R _{YB}	255, 151, 46
Decimal	16741422
CIE Lab	64.92, 49.32, 60.90
CIE LCh	65, 78.368, 50.994
Yxy	33.9480, 0.5419, 0.3834
Android (android.graphics.Color)	4294931502 (0xFFFF742E)
YUV	149.5810, -51.0654, 92.4525
Hunter-Lab	58.2649, 45.0347, 34.0548

Details

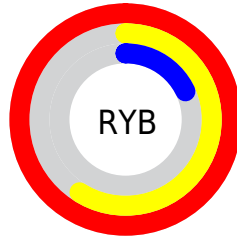
The Yxy color **33.9480, 0.5419, 0.3834** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **42.5256, 0.2031, 0.2363**, and the grayscale version is **30.5011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2677, 0.4544, 0.4016**, and **14.5216, 0.5904, 0.3694** is the 20% darker color. If you saturate the color by 10%, you get **30.2426, 0.5716, 0.3771**, and if you desaturate by 10%, it is **38.4869, 0.5074, 0.3846**.

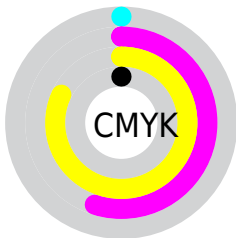
Distribution



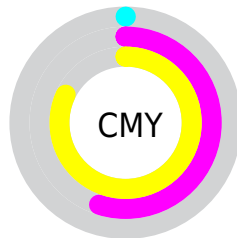
- Red (100%)
- Green (45%)
- Blue (18%)



- Red (100%)
- Yellow (59%)
- Blue (18%)



- Cyan (0%)
- Magenta (55%)
- Yellow (82%)
- Black (0%)





- Cyan (0%)
- Magenta (55%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9480, 0.5419, 0.3834 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 33.9480, 0.5419, 0.3834 by changing the saturation by 10% instead.


 33.9480, 0.5419,
0.3834


 33.9480, 0.5419,
0.3834


319.9001, 0.4279,
0.3706

 22.8537, 0.5668,
0.3807


 65.8528, 0.5025,
0.3830


 14.4855, 0.5958,
0.3740


 87.4320, 0.4869,
0.3816


 8.4591, 0.6358,
0.3642


 113.2750, 0.4735,
0.3798

 4.3901, 0.6657,
0.3343

 143.7662, 0.4619,
0.3779

 1.8941, 0.7097,
0.2903

 179.2899, 0.4517,
0.3760

 0.5448, 0.7912,
0.2088

 220.2305, 0.4428,

 0.0000, 1.0000,

0.3741

0.0000

266.9724, 0.4349,
0.3723

■ 0.0000, 0.0000,
0.0000

■ 33.9480, 0.5419,
0.3834

■ 33.9480, 0.5419,
0.3834

■ 30.2426, 0.5716,
0.3771

■ 38.4869, 0.5074,
0.3846

■ 27.8133, 0.5908,
0.3691

■ 43.9135, 0.4715,
0.3814

■ 50.2766, 0.4370,
0.3750

■ 57.6209, 0.4054,
0.3667

■ 65.9881, 0.3776,
0.3576

75.4171, 0.3535,
0.3482

85.9449, 0.3331,
0.3392

97.6064, 0.3158,
0.3306

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.



33.9480, 0.5198, 0.3089



33.9480, 0.5419, 0.3834



33.9480, 0.4903, 0.4650

Triad

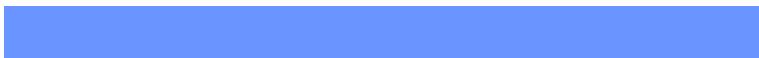
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.9480, 0.5419, 0.3834



33.9480, 0.1969, 0.4398



33.9480, 0.1980, 0.1651

Complementary

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



33.9480, 0.5419, 0.3834



42.5256, 0.2031, 0.2363

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.



33.9480, 0.1436, 0.1682



33.9480, 0.5419, 0.3834



33.9480, 0.1397, 0.2979

Square

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



33.9480, 0.5419, 0.3834



33.9480, 0.2923, 0.5468



33.9480, 0.1246, 0.2071



33.9480, 0.2939, 0.1908

Rectangle

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



33.9480, 0.5419, 0.3834



33.9480, 0.4314, 0.5177



33.9480, 0.1246, 0.2071



33.9480, 0.1755, 0.1628

Sweetspot

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



33.9480, 0.5419, 0.3834



72.4147, 0.3605, 0.3511



26.7363, 0.4039, 0.2117



14.7892, 0.3689, 0.3544



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.



33.9480, 0.5419, 0.3834



28.3743, 0.5862, 0.3711



72.7368, 0.4398, 0.4748



18.9805, 0.3286, 0.3370



14.7776, 0.5878, 0.3715



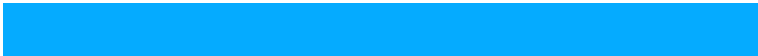
1.6305, 0.5659, 0.3889

Inverse Universe

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



42.5256, 0.2031, 0.2363



36.5114, 0.1935, 0.2158



13.6696, 0.1677, 0.1037



19.3969, 0.2980, 0.3209



19.0115, 0.1932, 0.2154



2.0526, 0.1972, 0.2298

Previews

White Background



This preview shows how the Yxy color 33.9480, 0.5419, 0.3834 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 33.9480, 0.5419, 0.3834 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 33.9480, 0.5419, 0.3834

Background



This preview shows how black text looks on a background with the Yxy color 33.9480, 0.5419, 0.3834.



This preview shows how white text looks on a background with the Yxy color 33.9480, 0.5419, 0.3834.

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

33.9480, 0.5419, 0.3834

Protanopia

33.9792, 0.4191, 0.4614

Deuteranopia

34.0646, 0.4632, 0.4543



Tritanopia

33.9369, 0.4772, 0.3227

Trichromacy



Original Color

33.9480, 0.5419, 0.3834

Protanomaly

32.8811, 0.4668, 0.4306

Deuteranomaly

33.3770, 0.4938, 0.4264

Tritanomaly

33.8430, 0.5060, 0.3489

Monochromacy



Original Color

33.9480, 0.5419, 0.3834

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.0382, 0.3985, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9480, 0.5419, 0.3834 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, 116, 46)` looks like.

```
.text, #text, p{  
    color:rgb(255, 116, 46)  
}
```

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, 116, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 116, 46) }
```

Border

The CSS property to change the border of an element to Yxy 33.9480, 0.5419, 0.3834 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, 116, 46) }
```

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

```
.border{ border-color:rgb(255, 116, 46) }
```

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

Here you see how a box with a 4 pixel rgb(255, 116, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 116, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 116, 46);  
box-shadow:4px 4px 4px 4px rgb(255, 116,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9480, 0.5419, 0.3834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 116, 46) }
```

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

```
.background{ background-color: rgb(255,  
116, 46) }
```

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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