

# Converting Colors

Yxy(39.9842, 0.5386, 0.3514)

Have a look what the booklet for  
Yxy(39.9842, 0.5386, 0.3514)  
contains.

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# Color

**Yxy(33.4575, 0.5171, 0.3563)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF7052
RGB	255, 112, 82
RGB Percent	100%, 44%, 32%
CMY	0.0000, 0.5607, 0.6783
CMYK	0.00, 0.56, 0.68, 0.00
HSL	10°, 100%, 66%
HSV	10°, 68%, 100%
XYZ	48.5570, 33.4575, 11.8881
YIQ	151.3370, 94.8580, 20.9860

# Conversions

## Conversions Part 2

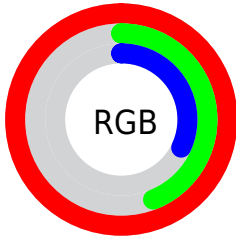
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 118, 82
Decimal	16740434
CIE <sub>Lab</sub>	64.53, 52.60, 43.25
CIE <sub>LCh</sub>	65, 68.097, 39.433
Yxy	33.4575, 0.5171, 0.3563
Android (android.graphics.Color)	4294930514 (0xFFFF7052)
YUV	151.3370, -34.1831, 90.9125
Hunter-Lab	57.8425, 48.6212, 28.3041

# Details

The Yxy color **33.4575, 0.5171, 0.3563** is a light color, and the websafe version is hex **FF6633**. The color can be described as light muted orange. A complement of this color would be **62.8764, 0.2249, 0.2917**, and the grayscale version is **31.2214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5634, 0.4284, 0.3657**, and **14.2541, 0.5752, 0.3488** is the 20% darker color. If you saturate the color by 10%, you get **29.0200, 0.5592, 0.3551**, and if you desaturate by 10%, it is **39.1317, 0.4743, 0.3548**.

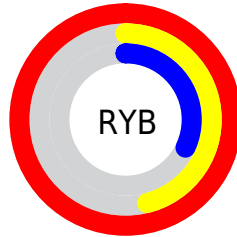
# Distribution



Red (100%)

Green (44%)

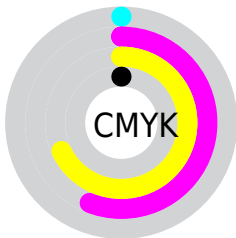
Blue (32%)



Red (100%)

Yellow (46%)

Blue (32%)

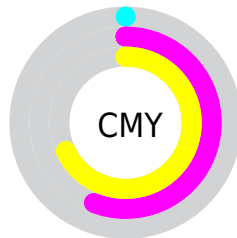


Cyan (0%)

Magenta (56%)

Yellow (68%)

Black (0%)



Cyan (0%)

Magenta (56%)


Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4575, 0.5171, 0.3563 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 33.4575, 0.5171, 0.3563 by changing the saturation by 10% instead.





 33.4575, 0.5171,  
0.3563

 33.4575, 0.5171,  
0.3563


317.7062, 0.4111,  
0.3515


 22.4771, 0.5430,  
0.3539


 65.0891, 0.4786,  
0.3571


 14.2079, 0.5750,  
0.3487


 86.5092, 0.4640,  
0.3566

 8.2654, 0.6149,  
0.3381


 112.1780, 0.4517,  
0.3559

 4.2653, 0.6767,  
0.3233

 142.4799, 0.4412,  
0.3550

 1.8230, 0.7227,  
0.2773

 177.7993, 0.4321,  
0.3541

 0.5015, 0.8098,  
0.1902

218.5205, 0.4242,

 0.0000, 1.0000,

0.3532

0.0000

265.0280, 0.4172,  
0.3524

■ 0.0000, 0.0000,  
0.0000

■ 33.4575, 0.5171,  
0.3563

■ 33.4575, 0.5171,  
0.3563

■ 29.0200, 0.5592,  
0.3551

■ 39.1317, 0.4743,  
0.3548

■ 25.7197, 0.5953,  
0.3507

■ 46.1210, 0.4346,  
0.3513


■ 23.4486, 0.6205,  
0.3435

■ 54.5038, 0.3999,  
0.3469

■ 23.0748, 0.6248,  
0.3421

■ 64.3506, 0.3705,  
0.3420

■ 75.7270, 0.3460,  
0.3371

 88.6949, 0.3259,  
0.3324

99.9991, 0.3127,  
0.3290

# Harmonies

## Analogous

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



33.4575, 0.4667, 0.2888



33.4575, 0.5171, 0.3563



33.4575, 0.4976, 0.4286

# Triad

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



33.4575, 0.5171, 0.3563



33.4575, 0.2422, 0.4685



33.4575, 0.1866, 0.1785

# Complementary

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



33.4575, 0.5171, 0.3563



62.8764, 0.2249, 0.2917

# 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.



33.4575, 0.1490, 0.1942



33.4575, 0.5171, 0.3563



33.4575, 0.1736, 0.3482

# Square

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



33.4575, 0.5171, 0.3563



33.4575, 0.3358, 0.5267



33.4575, 0.1438, 0.2477



33.4575, 0.2597, 0.1921



# Rectangle

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



33.4575, 0.5171, 0.3563



33.4575, 0.4552, 0.4762



33.4575, 0.1438, 0.2477



33.4575, 0.1703, 0.1802

# Sweetspot

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



33.4594, 0.5171, 0.3563



73.1270, 0.3509, 0.3381



32.7992, 0.3491, 0.1974



14.9544, 0.3576, 0.3395



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.



33.4594, 0.5171, 0.3563



27.8561, 0.5716, 0.3540



61.9567, 0.4442, 0.4382



18.4957, 0.3290, 0.3332



12.2046, 0.6226, 0.3439



1.3221, 0.6030, 0.3594

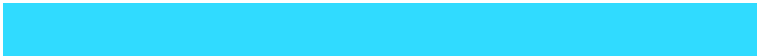


# Inverse Universe

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



62.8764, 0.2249, 0.2917



58.6287, 0.2160, 0.2834



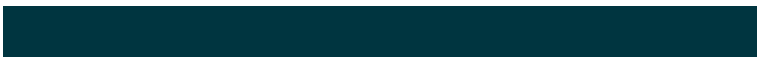
27.6803, 0.1968, 0.1765



19.9141, 0.2980, 0.3248



28.2622, 0.2091, 0.2726



2.8864, 0.2110, 0.2797



# Previews

## White Background



This preview shows how the Yxy color 33.4575, 0.5171, 0.3563 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 33.4575, 0.5171, 0.3563 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 33.4575, 0.5171, 0.3563**

## Background



This preview shows how black text looks on a background with the Yxy color 33.4575, 0.5171, 0.3563.



This preview shows how white text looks on a background with the Yxy color 33.4575, 0.5171, 0.3563.

# 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

33.4575, 0.5171, 0.3563

### Protanopia

33.6537, 0.3828, 0.4148

### Deuteranopia

33.4586, 0.4343, 0.4245



## Tritanopia

33.4582, 0.4809, 0.3227

# Trichromacy



**Original Color**

33.4575, 0.5171, 0.3563

**Protanomaly**

32.3790, 0.4332, 0.3916

**Deuteranomaly**

32.7431, 0.4661, 0.3968

**Tritanomaly**

33.4113, 0.4948, 0.3352

# Monochromacy



**Original Color**

33.4575, 0.5171, 0.3563

**Achromatopsia**

30.9469, 0.3127, 0.3290

**Achromatomaly**

30.2165, 0.3842, 0.3445

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.4575, 0.5171, 0.3563 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, 82)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 82)  
}
```

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, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 82) }
```

## Border

The CSS property to change the border of an element to Yxy 33.4575, 0.5171, 0.3563 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, 82) }
```

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

```
.border{ border-color:rgb(255, 112, 82) }
```

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, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 82);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
82) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.4575, 0.5171, 0.3563 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, 82) }
```

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

```
.background{ background-color: rgb(255,  
112, 82) }
```

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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