

# Converting Colors

$Y_{xy}(34.7224, 0.5263, 0.3750)$

Have a look what the booklet for  
Yxy(34.7224, 0.5263, 0.3750)  
contains.

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# **Color**

**Yxy(34.8353, 0.5259, 0.3755)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7741
RGB	255, 119, 65
RGB Percent	100%, 47%, 25%
CMY	0.0000, 0.5333, 0.7453
CMYK	0.00, 0.53, 0.75, 0.00
HSL	17°, 100%, 63%
HSV	17°, 75%, 100%
XYZ	48.7880, 34.8353, 9.1472
YIQ	153.5080, 98.3900, 12.0380

# Conversions

## Conversions Part 2

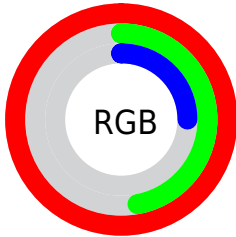
Format	Color
R <sub>Y</sub> B	255, 140, 65
Decimal	16742209
CIE Lab	65.62, 48.53, 53.13
CIE LCh	66, 71.957, 47.593
Yxy	34.8353, 0.5259, 0.3755
Android (android.graphics.Color)	4294932289 (0xFFFF7741)
YUV	153.5080, -43.6344, 89.0085
Hunter-Lab	59.0214, 44.2632, 32.1262

# Details

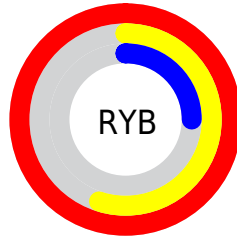
The Yxy color **34.8353, 0.5259, 0.3755** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **50.0851, 0.2126, 0.2591**, and the grayscale version is **32.2511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7931, 0.4380, 0.3885**, and **14.8860, 0.5811, 0.3689** is the 20% darker color. If you saturate the color by 10%, you get **30.6709, 0.5615, 0.3724**, and if you desaturate by 10%, it is **39.9704, 0.4877, 0.3743**.

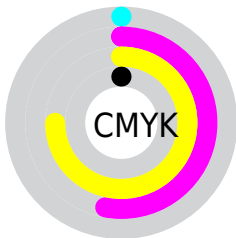
# Distribution



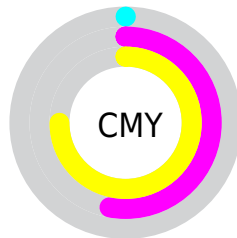
- Red (100%)
- Green (47%)
- Blue (25%)



- Red (100%)
- Yellow (55%)
- Blue (25%)



- Cyan (0%)
- Magenta (53%)
- Yellow (75%)
- Black (0%)




- Cyan (0%)
- Magenta (53%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.8353, 0.5259, 0.3755 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 34.8353, 0.5259, 0.3755 by changing the saturation by 10% instead.





 34.8353, 0.5259,  
0.3755


 34.8353, 0.5259,  
0.3755


323.8408, 0.4180,  
0.3635

 23.5360, 0.5508,  
0.3739


 67.2305, 0.4877,  
0.3744


 14.9898, 0.5806,  
0.3692


 89.0953, 0.4730,  
0.3730


 8.8122, 0.6171,  
0.3592


 115.2507, 0.4603,  
0.3714

 4.6189, 0.6609,  
0.3391

 146.0811, 0.4495,  
0.3697

 2.0254, 0.7033,  
0.2967

 181.9709, 0.4400,  
0.3680

 0.6222, 0.7767,  
0.2233

223.3045, 0.4318,

 0.0000, 1.0000,

0.3664

0.0000

270.4663, 0.4245,  
0.3649

0.0000, 0.0000,  
0.0000

34.8353, 0.5259,  
0.3755

34.8353, 0.5259,  
0.3755

30.6709, 0.5615,  
0.3724

39.9704, 0.4877,  
0.3743

27.4041, 0.5905,  
0.3647


46.1305, 0.4504,  
0.3697


25.9627, 0.6032,  
0.3593

53.3721, 0.4161,  
0.3631

61.7458, 0.3860,  
0.3554

71.2987, 0.3602,  
0.3474

 82.0752, 0.3383,  
0.3396

 94.1173, 0.3200,  
0.3322

99.9984, 0.3127,  
0.3290

# Harmonies

## Analogous

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



34.8353, 0.4945, 0.3049



34.8353, 0.5259, 0.3755



34.8353, 0.4875, 0.4509

# Triad

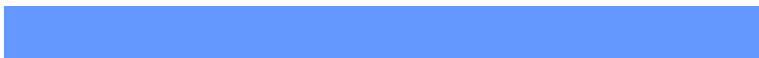
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



34.8353, 0.5259, 0.3755



34.8353, 0.2160, 0.4435



34.8353, 0.1989, 0.1748

# Complementary

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



34.8353, 0.5259, 0.3755



50.0851, 0.2126, 0.2591

# 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.



34.8353, 0.1510, 0.1818



34.8353, 0.5259, 0.3755



34.8353, 0.1564, 0.3153

# Square

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



34.8353, 0.5259, 0.3755



34.8353, 0.3081, 0.5297



34.8353, 0.1367, 0.2245



34.8353, 0.2843, 0.1962



# Rectangle

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



34.8353, 0.5259, 0.3755



34.8353, 0.4364, 0.4985



34.8353, 0.1367, 0.2245



34.8353, 0.1789, 0.1738

# Sweetspot

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



34.8372, 0.5259, 0.3755



73.9076, 0.3543, 0.3454



29.2585, 0.3804, 0.2073



15.2213, 0.3606, 0.3476



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.



34.8372, 0.5259, 0.3755



29.1042, 0.5755, 0.3695



69.6408, 0.4390, 0.4619



18.8284, 0.3287, 0.3358



13.7848, 0.6003, 0.3616



1.5186, 0.5783, 0.3791



# Inverse Universe

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



50.0851, 0.2126, 0.2591



44.4861, 0.2027, 0.2434



18.6775, 0.1802, 0.1325



19.5568, 0.2980, 0.3221



21.6204, 0.1982, 0.2334



2.2914, 0.2016, 0.2456



# Previews

## White Background



This preview shows how the Yxy color 34.8353, 0.5259, 0.3755 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 34.8353, 0.5259, 0.3755 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 34.8353, 0.5259, 0.3755**

## Background



This preview shows how black text looks on a background with the Yxy color 34.8353, 0.5259, 0.3755.



This preview shows how white text looks on a background with the Yxy color 34.8353, 0.5259, 0.3755.

# 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

34.8353, 0.5259, 0.3755

### Protanopia

35.0245, 0.4048, 0.4425

### Deuteranopia

35.0214, 0.4504, 0.4411



## Tritanopia

34.9266, 0.4699, 0.3226

# Trichromacy



**Original Color**

34.8353, 0.5259, 0.3755

**Protanomaly**

33.7110, 0.4501, 0.4157

**Deuteranomaly**

34.2876, 0.4802, 0.4149

**Tritanomaly**

34.6904, 0.4939, 0.3438

# Monochromacy



**Original Color**

34.8353, 0.5259, 0.3755

**Achromatopsia**

32.3143, 0.3127, 0.3290

**Achromatomaly**

31.5313, 0.3891, 0.3553

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.8353, 0.5259, 0.3755 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, 119, 65)` looks like.

```
.text, #text, p{  
    color:rgb(255, 119, 65)  
}
```

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, 119, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 119, 65) }
```

## Border

The CSS property to change the border of an element to Yxy 34.8353, 0.5259, 0.3755 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, 119, 65) }
```

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

```
.border{ border-color:rgb(255, 119, 65) }
```

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

Here you see how a box with a 4 pixel rgb(255, 119, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 119, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 119, 65);  
box-shadow:4px 4px 4px 4px rgb(255, 119,  
65) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.8353, 0.5259, 0.3755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 119, 65) }
```

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

```
.background{ background-color: rgb(255,  
119, 65) }
```

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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