

# Converting Colors

Yxy(37.0068, 0.5099, 0.4016)

Have a look what the booklet for  
Yxy(37.0068, 0.5099, 0.4016)  
contains.

<b>Yxy(37.0068, 0.5099, 0.4016)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(37.0068, 0.5099, 0.4016)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F58736
RGB	245, 135, 54
RGB Percent	96%, 53%, 21%
CMY	0.0392, 0.4706, 0.7883
CMYK	0.00, 0.45, 0.78, 0.04
HSL	25°, 91%, 59%
HSV	25°, 78%, 96%
XYZ	46.9865, 37.0068, 8.1551
YIQ	158.6560, 91.5610, -1.8710

# Conversions

## Conversions Part 2

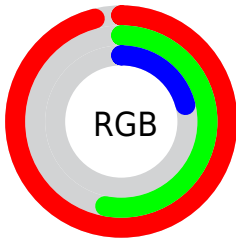
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 195, 54
Decimal	16090934
CIE Lab	67.28, 36.38, 59.28
CIE LCh	67, 69.555, 58.468
Yxy	37.0068, 0.5099, 0.4016
Android (android.graphics.Color)	4294281014 (0xFFFF58736)
YUV	158.6560, -51.5954, 75.7237
Hunter-Lab	60.8332, 31.4120, 34.6350

# Details

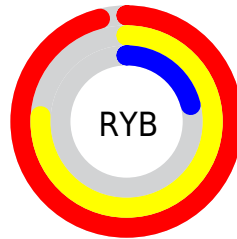
The Yxy color **37.0068, 0.5099, 0.4016** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **33.9226, 0.1999, 0.2168**, and the grayscale version is **34.7153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6958, 0.4356, 0.4121**, and **16.2857, 0.5518, 0.4001** is the 20% darker color. If you saturate the color by 10%, you get **33.1539, 0.5380, 0.3990**, and if you desaturate by 10%, it is **41.5012, 0.4790, 0.3990**.

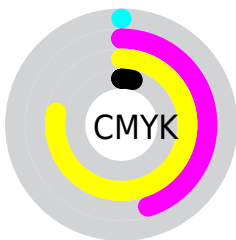
# Distribution



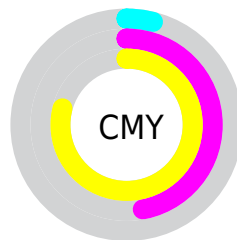
- Red (96%)
- Green (53%)
- Blue (21%)



- Red (96%)
- Yellow (76%)
- Blue (21%)



- Cyan (0%)
- Magenta (45%)
- Yellow (78%)
- Black (4%)




- Cyan (4%)
- Magenta (47%)
- Yellow (79%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.0068, 0.5099, 0.4016 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 37.0068, 0.5099, 0.4016 by changing the saturation by 10% instead.





 37.0068, 0.5099,  
0.4016

 37.0068, 0.5099,  
0.4016


333.3400, 0.4126,  
0.3764

 25.2128, 0.5313,  
0.4031


 70.5832, 0.4762,  
0.3958

 16.2356, 0.5563,  
0.4020


 93.1344, 0.4629,  
0.3926

 9.6910, 0.5878,  
0.3979


 120.0401, 0.4515,  
0.3895

 5.1946, 0.6186,  
0.3814

 151.6847, 0.4416,  
0.3865

 2.3619, 0.6518,  
0.3482

 188.4526, 0.4330,  
0.3837

 0.8062, 0.7068,  
0.2932

 230.7282, 0.4253,

 0.0000, 1.0000,

0.3810

0.0000

278.8958, 0.4186,  
0.3786

■ 0.0000, 0.0000,  
0.0000

■ 37.0068, 0.5099,  
0.4016

■ 37.0068, 0.5099,  
0.4016

■ 33.1539, 0.5380,  
0.3990

■ 41.5012, 0.4790,  
0.3990

■ 29.8952, 0.5613,  
0.3910


■ 46.6658, 0.4476,  
0.3924

■ 29.2964, 0.5657,  
0.3890

■ 52.5337, 0.4177,  
0.3829


■ 59.1337, 0.3902,  
0.3718

■ 66.4929, 0.3657,  
0.3602

 74.6366, 0.3442,  
0.3486

 83.5889, 0.3256,  
0.3374

 93.3727, 0.3097,  
0.3269

 98.1528, 0.3066,  
0.3290

# Harmonies

## Analogous

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



37.0068, 0.5047, 0.3312



37.0068, 0.5099, 0.4016



37.0068, 0.4565, 0.4729

# Triad

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



37.0068, 0.5099, 0.4016



37.0068, 0.1957, 0.3929



37.0068, 0.2296, 0.1854

# Complementary

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



37.0068, 0.5099, 0.4016



33.9226, 0.1999, 0.2168

# 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.



37.0068, 0.1703, 0.1820



37.0068, 0.5099, 0.4016



37.0068, 0.1519, 0.2798

# Square

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



37.0068, 0.5099, 0.4016



37.0068, 0.2757, 0.4984



37.0068, 0.1449, 0.2101



37.0068, 0.3235, 0.2152



# Rectangle

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



37.0068, 0.5099, 0.4016



37.0068, 0.4014, 0.5107



37.0068, 0.1449, 0.2101



37.0068, 0.2058, 0.1811

# Sweetspot

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



37.0088, 0.5099, 0.4016



77.0937, 0.3548, 0.3545



24.7820, 0.4212, 0.2279



15.8230, 0.3627, 0.3587



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.



37.0088, 0.5099, 0.4016



34.0102, 0.5531, 0.3945



75.7643, 0.4234, 0.4834



17.6379, 0.3283, 0.3391



16.0432, 0.5629, 0.3913



1.6091, 0.5407, 0.4089

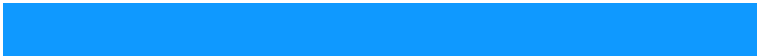


# Inverse Universe

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



33.9226, 0.1999, 0.2168



30.2158, 0.1870, 0.1903



11.7455, 0.1689, 0.0983



17.5116, 0.2980, 0.3187



14.1079, 0.1844, 0.1837



1.4433, 0.1899, 0.2037



# Previews

## White Background



This preview shows how the Yxy color 37.0068, 0.5099, 0.4016 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 37.0068, 0.5099, 0.4016 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 37.0068, 0.5099, 0.4016**

## Background



This preview shows how black text looks on a background with the Yxy color 37.0068, 0.5099, 0.4016.



This preview shows how white text looks on a background with the Yxy color 37.0068, 0.5099, 0.4016.

# 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

37.0068, 0.5099, 0.4016

### Protanopia

37.3253, 0.4171, 0.4599

### Deuteranopia

37.1040, 0.4571, 0.4480



## Tritanopia

37.0961, 0.4407, 0.3199

# Trichromacy



**Original Color**

37.0068, 0.5099, 0.4016

**Protanomaly**

36.5488, 0.4524, 0.4375

**Deuteranomaly**

36.6257, 0.4772, 0.4296

**Tritanomaly**

36.9623, 0.4720, 0.3539

# Monochromacy



**Original Color**

37.0068, 0.5099, 0.4016

**Achromatopsia**

34.6704, 0.3127, 0.3290

**Achromatomaly**

34.1403, 0.3846, 0.3689

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.0068, 0.5099, 0.4016 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(245, 135, 54)` looks like.

```
.text, #text, p{  
    color:rgb(245, 135, 54)  
}
```

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(245, 135, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 135, 54) }
```

## Border

The CSS property to change the border of an element to Yxy 37.0068, 0.5099, 0.4016 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(245, 135, 54) }
```

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

```
.border{ border-color:rgb(245, 135, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 135, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 135, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 135, 54);  
box-shadow:4px 4px 4px 4px rgb(245, 135,  
54) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.0068, 0.5099, 0.4016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 135, 54) }
```

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

```
.background{ background-color: rgb(245,  
135, 54) }
```

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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