

Converting Colors

$Y_{xy}(37.2435, 0.5174, 0.3857)$

Have a look what the booklet for
Yxy(37.2435, 0.5174, 0.3857)
contains.

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Color

Yxy(37.3307, 0.5169, 0.3858)

Conversions

Conversions Part 1

Format	Color
Hex	FF8140
RGB	255, 129, 64
RGB Percent	100%, 51%, 25%
CMY	0.0000, 0.4941, 0.7491
CMYK	0.00, 0.49, 0.75, 0.00
HSL	20°, 100%, 63%
HSV	20°, 75%, 100%
XYZ	50.0162, 37.3307, 9.4149
YIQ	159.2640, 95.9610, 6.4970

Conversions

Conversions Part 2

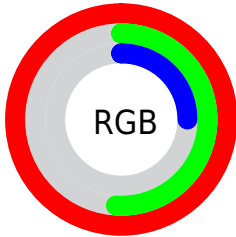
Format	Color
R _Y B	255, 163, 64
Decimal	16744768
CIE Lab	67.52, 43.65, 55.57
CIE LCh	68, 70.663, 51.848
Yxy	37.3307, 0.5169, 0.3858
Android (android.graphics.Color)	4294934848 (0xFFFF8140)
YUV	159.2640, -46.9652, 83.9605
Hunter-Lab	61.0989, 39.1990, 33.6330

Details

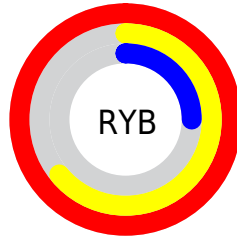
The Yxy color **37.3307, 0.5169, 0.3858** is a light color, and the websafe version is hex **FF6633**. The color can be described as light washed orange. A complement of this color would be **45.1195, 0.2085, 0.2439**, and the grayscale version is **34.9840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7788, 0.4323, 0.3993**, and **16.3951, 0.5680, 0.3821** is the 20% darker color. If you saturate the color by 10%, you get **33.0329, 0.5501, 0.3832**, and if you desaturate by 10%, it is **42.4930, 0.4814, 0.3837**.

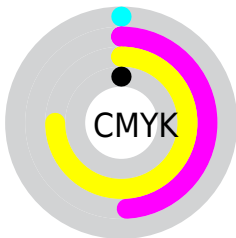
Distribution



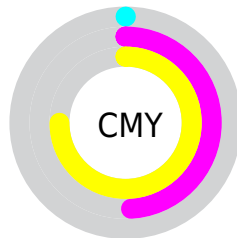
- Red (100%)
- Green (51%)
- Blue (25%)



- Red (100%)
- Yellow (64%)
- Blue (25%)



- Cyan (0%)
- Magenta (49%)
- Yellow (75%)
- Black (0%)




- Cyan (0%)
- Magenta (49%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3307, 0.5169, 0.3858 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 37.3307, 0.5169, 0.3858 by changing the saturation by 10% instead.


 37.3307, 0.5169,
0.3858


 37.3307, 0.5169,
0.3858


334.7401, 0.4151,
0.3684


 25.4636, 0.5399,
0.3857


 71.0811, 0.4812,
0.3827

 16.4228, 0.5672,
0.3829


 93.7333, 0.4673,
0.3805


 9.8238, 0.6002,
0.3755


 120.7492, 0.4554,
0.3783

 5.2823, 0.6403,
0.3597

 152.5134, 0.4451,
0.3761

 2.4138, 0.6772,
0.3228

 189.4102, 0.4361,
0.3740

 0.8330, 0.7359,
0.2641

231.8239, 0.4283,

 0.0000, 1.0000,

0.3720

0.0000

280.1391, 0.4213,
0.3701

■ 0.0000, 0.0000,
0.0000

■ 37.3307, 0.5169,
0.3858

■ 37.3307, 0.5169,
0.3858

■ 33.0329, 0.5501,
0.3832

■ 42.4930, 0.4814,
0.3837

■ 29.5402, 0.5776,
0.3755


■ 48.5649, 0.4465,
0.3780

■ 28.0467, 0.5893,
0.3703

■ 55.5928, 0.4141,
0.3700

■ 63.6183, 0.3853,
0.3608

■ 72.6802, 0.3602,
0.3514

 82.8154, 0.3388,
0.3420

 94.0586, 0.3206,
0.3331

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.



37.3307, 0.4962, 0.3160



37.3307, 0.5169, 0.3858



37.3307, 0.4734, 0.4587

Triad

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



37.3307, 0.5169, 0.3858



37.3307, 0.2094, 0.4212



37.3307, 0.2123, 0.1808

Complementary

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



37.3307, 0.5169, 0.3858



45.1195, 0.2085, 0.2439

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.



37.3307, 0.1604, 0.1837



37.3307, 0.5169, 0.3858



37.3307, 0.1566, 0.3011

Square

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



37.3307, 0.5169, 0.3858



37.3307, 0.2958, 0.5146



37.3307, 0.1420, 0.2201



37.3307, 0.3001, 0.2053

Rectangle

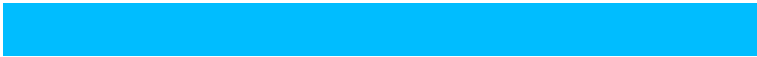
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.3307, 0.5169, 0.3858



37.3307, 0.4215, 0.5018



37.3307, 0.1420, 0.2201



37.3307, 0.1910, 0.1785

Sweetspot

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



37.3320, 0.5169, 0.3858



75.5215, 0.3536, 0.3486



28.6991, 0.3935, 0.2150



15.5982, 0.3598, 0.3512



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.



37.3320, 0.5169, 0.3858



31.1596, 0.5650, 0.3799



74.4915, 0.4322, 0.4694



18.9978, 0.3286, 0.3372



14.9023, 0.5863, 0.3727



1.6442, 0.5644, 0.3900

Inverse Universe

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



45.1195, 0.2085, 0.2439



38.8242, 0.1971, 0.2240



16.6396, 0.1769, 0.1210



19.3787, 0.2980, 0.3207



18.7296, 0.1926, 0.2133



2.0265, 0.1967, 0.2280

Previews

White Background



This preview shows how the Yxy color 37.3307, 0.5169, 0.3858 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 37.3307, 0.5169, 0.3858 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 37.3307, 0.5169, 0.3858

Background



This preview shows how black text looks on a background with the Yxy color 37.3307, 0.5169, 0.3858.



This preview shows how white text looks on a background with the Yxy color 37.3307, 0.5169, 0.3858.

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

37.3307, 0.5169, 0.3858

Protanopia

37.4855, 0.4086, 0.4472

Deuteranopia

37.5213, 0.4512, 0.4429



Tritanopia

37.3412, 0.4527, 0.3213

Trichromacy



Original Color

37.3307, 0.5169, 0.3858

Protanomaly

36.4667, 0.4491, 0.4236

Deuteranomaly

37.0305, 0.4765, 0.4205

Tritanomaly

37.2432, 0.4800, 0.3481

Monochromacy



Original Color

37.3307, 0.5169, 0.3858

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.1044, 0.3868, 0.3616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3307, 0.5169, 0.3858 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, 129, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 64)  
}
```

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, 129, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 64) }
```

Border

The CSS property to change the border of an element to Yxy 37.3307, 0.5169, 0.3858 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, 129, 64) }
```

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

```
.border{ border-color:rgb(255, 129, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 129, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3307, 0.5169, 0.3858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 64) }
```

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

```
.background{ background-color: rgb(255,  
129, 64) }
```

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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