

Converting Colors

$Y_{xy}(37.1598, 0.5154, 0.3831)$

Have a look what the booklet for
Yxy(37.1598, 0.5154, 0.3831)
contains.

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Color

Yxy(37.1036, 0.5156, 0.3829)

Conversions

Conversions Part 1

Format	Color
Hex	FF8043
RGB	255, 128, 67
RGB Percent	100%, 50%, 26%
CMY	0.0001, 0.4979, 0.7373
CMYK	0.00, 0.50, 0.74, 0.00
HSL	19°, 100%, 63%
HSV	19°, 74%, 100%
XYZ	49.9624, 37.1036, 9.8355
YIQ	159.0190, 95.2730, 7.9530

Conversions

Conversions Part 2

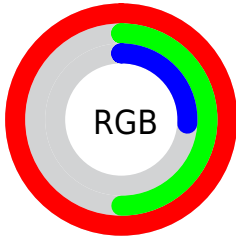
Format	Color
R _Y B	255, 157, 67
Decimal	16744515
CIE Lab	67.35, 44.24, 53.98
CIE LCh	67, 69.790, 50.663
Yxy	37.1036, 0.5156, 0.3829
Android (android.graphics.Color)	4294934595 (0xFFFF8043)
YUV	159.0190, -45.3654, 84.1753
Hunter-Lab	60.9127, 39.8138, 33.0654

Details

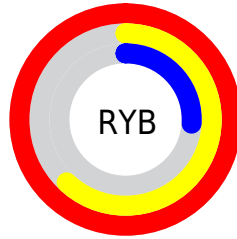
The Yxy color **37.1036, 0.5156, 0.3829** is a light color, and the websafe version is hex **FF6633**. The color can be described as light washed orange. A complement of this color would be **46.9552, 0.2106, 0.2496**, and the grayscale version is **34.8619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4350, 0.4307, 0.3956**, and **16.2703, 0.5675, 0.3795** is the 20% darker color. If you saturate the color by 10%, you get **32.7461, 0.5499, 0.3807**, and if you desaturate by 10%, it is **42.3617, 0.4793, 0.3806**.

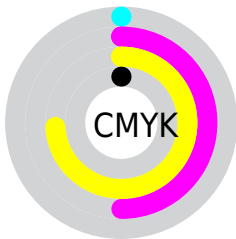
Distribution



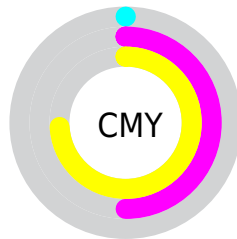
- Red (100%)
- Green (50%)
- Blue (26%)



- Red (100%)
- Yellow (62%)
- Blue (26%)



- Cyan (0%)
- Magenta (50%)
- Yellow (74%)
- Black (0%)





- Cyan (0%)
- Magenta (50%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.1036, 0.5156, 0.3829 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 37.1036, 0.5156, 0.3829 by changing the saturation by 10% instead.


 37.1036, 0.5156,
0.3829


 37.1036, 0.5156,
0.3829


333.7588, 0.4140,
0.3665


 25.2877, 0.5388,
0.3827


 70.7321, 0.4798,
0.3800

 16.2915, 0.5665,
0.3799


 93.3135, 0.4659,
0.3780


 9.7307, 0.5998,
0.3723


 120.2522, 0.4541,
0.3759

 5.2208, 0.6426,
0.3574

 151.9326, 0.4438,
0.3738

 2.3774, 0.6801,
0.3199

 188.7390, 0.4349,
0.3718

 0.8142, 0.7397,
0.2603

231.0560, 0.4270,

 0.0000, 1.0000,

0.3699

0.0000

279.2678, 0.4201,
0.3682

■ 0.0000, 0.0000,
0.0000

■ 37.1036, 0.5156,
0.3829

■ 37.1036, 0.5156,
0.3829

■ 32.7461, 0.5499,
0.3807

■ 42.3617, 0.4793,
0.3806

■ 29.2256, 0.5787,
0.3735


■ 48.5659, 0.4439,
0.3749

■ 27.4102, 0.5933,
0.3671

■ 55.7650, 0.4113,
0.3671

■ 64.0028, 0.3826,
0.3583

■ 73.3199, 0.3577,
0.3493

 83.7550, 0.3366,
0.3404

 95.3445, 0.3187,
0.3320

99.9933, 0.3127,
0.3290

Harmonies

Analogous

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



37.1036, 0.4920, 0.3137



37.1036, 0.5156, 0.3829



37.1036, 0.4748, 0.4552

Triad

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



37.1036, 0.5156, 0.3829



37.1036, 0.2133, 0.4250



37.1036, 0.2105, 0.1815

Complementary

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



37.1036, 0.5156, 0.3829



46.9552, 0.2106, 0.2496

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.



37.1036, 0.1603, 0.1856



37.1036, 0.5156, 0.3829



37.1036, 0.1592, 0.3057

Square

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



37.1036, 0.5156, 0.3829



37.1036, 0.3000, 0.5143



37.1036, 0.1432, 0.2235



37.1036, 0.2963, 0.2048

Rectangle

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



37.1036, 0.5156, 0.3829



37.1036, 0.4243, 0.4982



37.1036, 0.1432, 0.2235



37.1036, 0.1898, 0.1796

Sweetspot

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



37.1056, 0.5156, 0.3829



75.0664, 0.3538, 0.3477



29.2255, 0.3876, 0.2132



15.4918, 0.3600, 0.3502



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.



37.1056, 0.5156, 0.3829



31.1530, 0.5631, 0.3782



73.1083, 0.4331, 0.4659



18.9503, 0.3286, 0.3368



14.5664, 0.5904, 0.3694



1.6072, 0.5684, 0.3869

Inverse Universe

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



46.9552, 0.2106, 0.2496



41.0105, 0.1997, 0.2317



17.8046, 0.1795, 0.1276



19.4285, 0.2980, 0.3211



19.5092, 0.1942, 0.2190



2.0984, 0.1981, 0.2330

Previews

White Background



This preview shows how the Yxy color 37.1036, 0.5156, 0.3829 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 37.1036, 0.5156, 0.3829 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 37.1036, 0.5156, 0.3829

Background



This preview shows how black text looks on a background with the Yxy color 37.1036, 0.5156, 0.3829.



This preview shows how white text looks on a background with the Yxy color 37.1036, 0.5156, 0.3829.

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

37.1036, 0.5156, 0.3829

Protanopia

37.4054, 0.4055, 0.4445

Deuteranopia

37.0823, 0.4488, 0.4394



Tritanopia

37.0646, 0.4544, 0.3213

Trichromacy



Original Color

37.1036, 0.5156, 0.3829

Protanomaly

36.5062, 0.4468, 0.4208

Deuteranomaly

36.6046, 0.4740, 0.4170

Tritanomaly

37.0099, 0.4796, 0.3462

Monochromacy



Original Color

37.1036, 0.5156, 0.3829

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.1555, 0.3847, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1036, 0.5156, 0.3829 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, 128, 67)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 67)  
}
```

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, 128, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 67) }
```

Border

The CSS property to change the border of an element to Yxy 37.1036, 0.5156, 0.3829 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, 128, 67) }
```

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

```
.border{ border-color:rgb(255, 128, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 128, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 67);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1036, 0.5156, 0.3829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 67) }
```

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

```
.background{ background-color: rgb(255,  
128, 67) }
```

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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