

Converting Colors

Yxy(38.6476, 0.5071, 0.3854)

Have a look what the booklet for
Yxy(38.6476, 0.5071, 0.3854)
contains.

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Color

Yxy(38.7651, 0.5069, 0.3860)

Conversions

Conversions Part 1

Format	Color
Hex	FF8647
RGB	255, 134, 71
RGB Percent	100%, 53%, 28%
CMY	0.0000, 0.4745, 0.7217
CMYK	0.00, 0.47, 0.72, 0.00
HSL	21°, 100%, 64%
HSV	21°, 72%, 100%
XYZ	50.9068, 38.7651, 10.7558
YIQ	162.9970, 92.3390, 6.0590

Conversions

Conversions Part 2

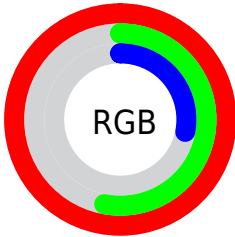
Format	Color
RYB	255, 167, 71
Decimal	16746055
CIELab	68.58, 41.48, 53.38
CIElCh	69, 67.598, 52.147
Yxy	38.7651, 0.5069, 0.3860
Android (android.graphics.Color)	4294936135 (0xFFFF8647)
YUV	162.9970, -45.3545, 80.6866
Hunter-Lab	62.2616, 36.9886, 33.3407

Details

The Yxy color **38.7651, 0.5069, 0.3860** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **46.2479, 0.2110, 0.2471**, and the grayscale version is **36.8067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0603, 0.4239, 0.3977**, and **17.2881, 0.5552, 0.3859** is the 20% darker color. If you saturate the color by 10%, you get **34.2292, 0.5409, 0.3848**, and if you desaturate by 10%, it is **44.1704, 0.4714, 0.3827**.

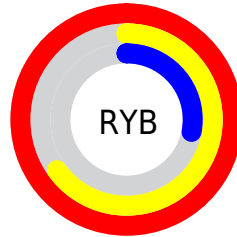
Distribution



Red (100%)

Green (53%)

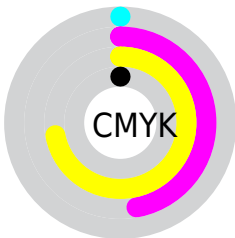
Blue (28%)



Red (100%)

Yellow (65%)

Blue (28%)

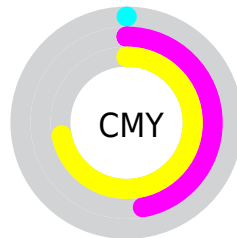


Cyan (0%)

Magenta (47%)

Yellow (72%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7651, 0.5069, 0.3860 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 38.7651, 0.5069, 0.3860 by changing the saturation by 10% instead.


 38.7651, 0.5069,
0.3860


 38.7651, 0.5069,
0.3860


340.8908, 0.4101,
0.3673

 26.5770, 0.5290,
0.3867


 73.2793, 0.4728,
0.3820


 17.2558, 0.5555,
0.3853


 96.3743, 0.4596,
0.3797

 10.4171, 0.5871,
0.3795


 123.8737, 0.4483,
0.3773

 5.6763, 0.6308,
0.3692

 156.1619, 0.4385,
0.3750

 2.6493, 0.6650,
0.3350

 193.6233, 0.4300,
0.3729

 0.9515, 0.7192,
0.2808

236.6423, 0.4225,

 0.0000, 1.0000,

0.3709

0.0000

285.6033, 0.4159,
0.3690

■ 0.0000, 0.0000,
0.0000

■ 38.7651, 0.5069,
0.3860

■ 38.7651, 0.5069,
0.3860

■ 34.2292, 0.5409,
0.3848

■ 44.1704, 0.4714,
0.3827

■ 30.5136, 0.5703,
0.3785

■ 50.4967, 0.4371,
0.3762

■ 28.1297, 0.5888,
0.3707

■ 57.7863, 0.4057,
0.3678

■ 66.0796, 0.3780,
0.3584

■ 75.4148, 0.3540,
0.3489

 85.8277, 0.3335,
0.3396

 97.3526, 0.3161,
0.3308

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.



38.7651, 0.4868, 0.3184



38.7651, 0.5069, 0.3860



38.7651, 0.4664, 0.4552

Triad

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



38.7651, 0.5069, 0.3860



38.7651, 0.2144, 0.4146



38.7651, 0.2178, 0.1871

Complementary

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



38.7651, 0.5069, 0.3860



46.2479, 0.2110, 0.2471

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.



38.7651, 0.1672, 0.1900



38.7651, 0.5069, 0.3860



38.7651, 0.1634, 0.3025

Square

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



38.7651, 0.5069, 0.3860



38.7651, 0.2970, 0.5025



38.7651, 0.1491, 0.2254



38.7651, 0.3022, 0.2110

Rectangle

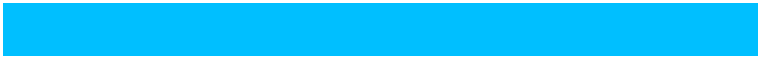
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.7651, 0.5069, 0.3860



38.7651, 0.4173, 0.4947



38.7651, 0.1491, 0.2254



38.7651, 0.1972, 0.1849

Sweetspot

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



38.7638, 0.5069, 0.3860



75.5800, 0.3536, 0.3487



29.6428, 0.3894, 0.2170



15.6119, 0.3597, 0.3513



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.



38.7638, 0.5069, 0.3860



32.3348, 0.5559, 0.3824



75.2029, 0.4289, 0.4667



19.0040, 0.3286, 0.3372



14.9467, 0.5858, 0.3731



1.6490, 0.5639, 0.3904

Inverse Universe

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



46.2479, 0.2110, 0.2471



39.7957, 0.1988, 0.2273



17.9917, 0.1810, 0.1284



19.3724, 0.2980, 0.3207



18.6313, 0.1924, 0.2126



2.0174, 0.1965, 0.2274

Previews

White Background



This preview shows how the Yxy color 38.7651, 0.5069, 0.3860 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 38.7651, 0.5069, 0.3860 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 38.7651, 0.5069, 0.3860

Background



This preview shows how black text looks on a background with the Yxy color 38.7651, 0.5069, 0.3860.



This preview shows how white text looks on a background with the Yxy color 38.7651, 0.5069, 0.3860.

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

38.7651, 0.5069, 0.3860

Protanopia

39.0384, 0.4051, 0.4426

Deuteranopia

38.7217, 0.4473, 0.4372



Tritanopia

38.7667, 0.4441, 0.3212

Trichromacy



Original Color

38.7651, 0.5069, 0.3860

Protanomaly

38.1616, 0.4429, 0.4215

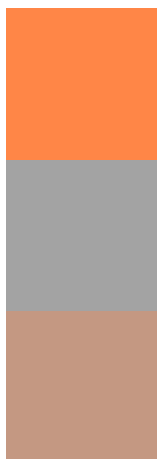
Deuteranomaly

38.3867, 0.4699, 0.4168

Tritanomaly

38.6849, 0.4700, 0.3474

Monochromacy



Original Color

38.7651, 0.5069, 0.3860

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

35.8039, 0.3808, 0.3586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7651, 0.5069, 0.3860 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, 134, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 71)  
}
```

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, 134, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 71) }
```

Border

The CSS property to change the border of an element to Yxy 38.7651, 0.5069, 0.3860 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, 134, 71) }
```

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

```
.border{ border-color:rgb(255, 134, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 134, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7651, 0.5069, 0.3860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 134, 71) }
```

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

```
.background{ background-color: rgb(255,  
134, 71) }
```

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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