

Converting Colors

Yxy(38.4733, 0.5001, 0.3917)

Have a look what the booklet for
Yxy(38.4733, 0.5001, 0.3917)
contains.

Yxy(38.4733, 0.5001, 0.3917)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.4733, 0.5001, 0.3917)

Conversions

Conversions Part 1

Format	Color
Hex	F98946
RGB	249, 137, 70
RGB Percent	98%, 54%, 27%
CMY	0.0235, 0.4627, 0.7256
CMYK	0.00, 0.45, 0.72, 0.02
HSL	22°, 94%, 63%
HSV	22°, 72%, 98%
XYZ	49.1205, 38.4733, 10.6275
YIQ	162.8500, 88.2590, 2.9070

Conversions

Conversions Part 2

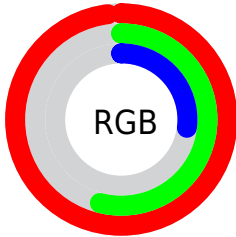
Format	Color
R_{YB}	249, 177, 70
Decimal	16353606
CIE _{Lab}	68.37, 37.59, 53.38
CIE _{LCh}	68, 65.286, 54.845
Yxy	38.4733, 0.5001, 0.3917
Android (android.graphics.Color)	4294543686 (0xFFFF98946)
YUV	162.8500, -45.7750, 75.5536
Hunter-Lab	62.0268, 32.8113, 33.2602

Details

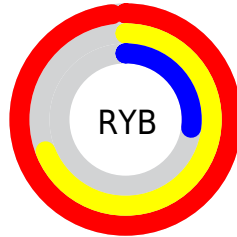
The Yxy color **38.4733, 0.5001, 0.3917** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **41.5922, 0.2093, 0.2395**, and the grayscale version is **36.7404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3397, 0.4229, 0.4015**, and **17.1055, 0.5474, 0.3926** is the 20% darker color. If you saturate the color by 10%, you get **34.1094, 0.5327, 0.3913**, and if you desaturate by 10%, it is **43.6111, 0.4662, 0.3876**.

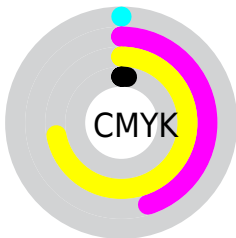
Distribution



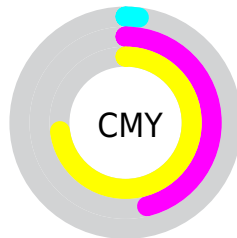
- Red (98%)
- Green (54%)
- Blue (27%)



- Red (98%)
- Yellow (69%)
- Blue (27%)



- Cyan (0%)
- Magenta (45%)
- Yellow (72%)
- Black (2%)





- Cyan (2%)
- Magenta (46%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4733, 0.5001, 0.3917 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 38.4733, 0.5001, 0.3917 by changing the saturation by 10% instead.


 38.4733, 0.5001,
0.3917


 38.4733, 0.5001,
0.3917


339.6460, 0.4066,
0.3695

 26.3502, 0.5215,
0.3934


 72.8330, 0.4672,
0.3864

 17.0858, 0.5470,
0.3931


 95.8384, 0.4545,
0.3835


 10.2957, 0.5775,
0.3888


 123.2401, 0.4435,
0.3808

 5.5955, 0.6195,
0.3805

 155.4224, 0.4341,
0.3782

 2.6007, 0.6520,
0.3480

 192.7698, 0.4259,
0.3758

 0.9270, 0.7041,
0.2959

235.6665, 0.4187,

 0.0000, 1.0000,

0.3735

0.0000

284.4971, 0.4123,
0.3715

■ 0.0000, 0.0000,
0.0000

■ 38.4733, 0.5001,
0.3917

■ 38.4733, 0.5001,
0.3917

■ 34.1094, 0.5327,
0.3913

■ 43.6111, 0.4662,
0.3876

■ 30.4687, 0.5611,
0.3856


■ 49.5566, 0.4334,
0.3803

■ 28.0092, 0.5799,
0.3777

■ 56.3486, 0.4032,
0.3710

■ 64.0213, 0.3763,
0.3608

■ 72.6066, 0.3529,
0.3504

 82.1351, 0.3328,
0.3403

 92.6354, 0.3157,
0.3307

 98.8817, 0.3090,
0.3290

Harmonies

Analogous

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



38.4733, 0.4859, 0.3250



38.4733, 0.5001, 0.3917



38.4733, 0.4572, 0.4584

Triad

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



38.4733, 0.5001, 0.3917



38.4733, 0.2115, 0.4018



38.4733, 0.2266, 0.1917

Complementary

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



38.4733, 0.5001, 0.3917



41.5922, 0.2093, 0.2395

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.



38.4733, 0.1739, 0.1922



38.4733, 0.5001, 0.3917



38.4733, 0.1647, 0.2954

Square

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



38.4733, 0.5001, 0.3917



38.4733, 0.2902, 0.4915



38.4733, 0.1534, 0.2239



38.4733, 0.3114, 0.2172

Rectangle

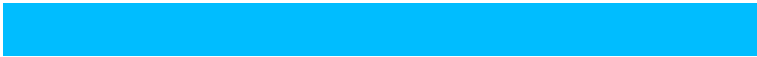
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.4733, 0.5001, 0.3917



38.4733, 0.4080, 0.4943



38.4733, 0.1534, 0.2239



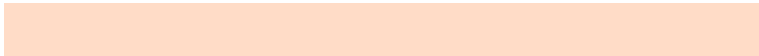
38.4733, 0.2053, 0.1888

Sweetspot

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



38.4753, 0.5001, 0.3917



76.5138, 0.3532, 0.3505



27.9534, 0.3970, 0.2226



15.8304, 0.3592, 0.3533



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.



38.4753, 0.5001, 0.3917



34.2949, 0.5453, 0.3895



74.5095, 0.4242, 0.4707



18.2897, 0.3285, 0.3379



15.2416, 0.5770, 0.3800



1.6077, 0.5546, 0.3978

Inverse Universe

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



41.5922, 0.2093, 0.2395



37.4392, 0.1968, 0.2187



16.1201, 0.1799, 0.1228



18.4526, 0.2980, 0.3199



16.6315, 0.1893, 0.2013



1.7439, 0.1940, 0.2182

Previews

White Background



This preview shows how the Yxy color 38.4733, 0.5001, 0.3917 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 38.4733, 0.5001, 0.3917 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 38.4733, 0.5001, 0.3917

Background



This preview shows how black text looks on a background with the Yxy color 38.4733, 0.5001, 0.3917.



This preview shows how white text looks on a background with the Yxy color 38.4733, 0.5001, 0.3917.

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

38.4733, 0.5001, 0.3917

Protanopia

38.5162, 0.4063, 0.4441

Deuteranopia

38.5763, 0.4463, 0.4377



Tritanopia

38.4472, 0.4399, 0.3190

Trichromacy



Original Color

38.4733, 0.5001, 0.3917

Protanomaly

37.7086, 0.4407, 0.4239

Deuteranomaly

38.2145, 0.4669, 0.4200

Tritanomaly

38.4129, 0.4656, 0.3477

Monochromacy



Original Color

38.4733, 0.5001, 0.3917

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.1655, 0.3788, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4733, 0.5001, 0.3917 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(249, 137, 70)` looks like.

```
.text, #text, p{  
    color:rgb(249, 137, 70)  
}
```

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(249, 137, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 137, 70) }
```

Border

The CSS property to change the border of an element to Yxy 38.4733, 0.5001, 0.3917 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(249, 137, 70) }
```

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

```
.border{ border-color:rgb(249, 137, 70) }
```

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

Here you see how a box with a 4 pixel rgb(249, 137, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 137, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 137, 70);  
box-shadow:4px 4px 4px 4px rgb(249, 137,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4733, 0.5001, 0.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 137, 70) }
```

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

```
.background{ background-color: rgb(249,  
137, 70) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor