

# Converting Colors

$Yxy(40.2197, 0.4999, 0.3888)$

Have a look what the booklet for  
Yxy(40.2197, 0.4999, 0.3888)  
contains.

<b>Yxy(40.2197, 0.4999, 0.3888)</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(40.2197, 0.4999, 0.3888)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8B4A
RGB	255, 139, 74
RGB Percent	100%, 55%, 29%
CMY	0.0000, 0.4549, 0.7099
CMYK	0.00, 0.45, 0.71, 0.00
HSL	22°, 100%, 65%
HSV	22°, 71%, 100%
XYZ	51.7125, 40.2197, 11.5135
YIQ	166.2740, 90.0010, 4.3770

# Conversions

## Conversions Part 2

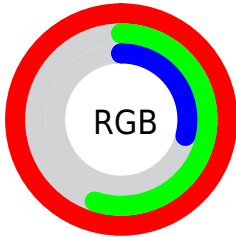
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 175, 74
Decimal	16747338
CIE Lab	69.63, 39.11, 53.05
CIE LCh	70, 65.911, 53.606
Yxy	40.2197, 0.4999, 0.3888
Android (android.graphics.Color)	4294937418 (0xFFFF8B4A)
YUV	166.2740, -45.4911, 77.8127
Hunter-Lab	63.4190, 34.5675, 33.6294

# Details

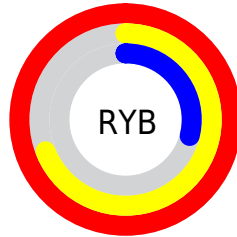
The Yxy color **40.2197, 0.4999, 0.3888** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **45.4972, 0.2111, 0.2445**, and the grayscale version is **38.4627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3242, 0.4187, 0.3997**, and **18.0847, 0.5458, 0.3901** is the 20% darker color. If you saturate the color by 10%, you get **35.5584, 0.5335, 0.3885**, and if you desaturate by 10%, it is **45.7262, 0.4652, 0.3847**.

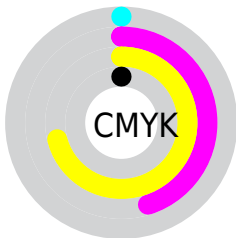
# Distribution



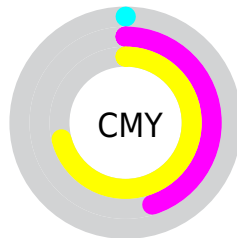
- Red (100%)
- Green (55%)
- Blue (29%)



- Red (100%)
- Yellow (69%)
- Blue (29%)



- Cyan (0%)
- Magenta (45%)
- Yellow (71%)
- Black (0%)




- Cyan (0%)
- Magenta (45%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.2197, 0.4999, 0.3888 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 40.2197, 0.4999, 0.3888 by changing the saturation by 10% instead.





 40.2197, 0.4999,  
0.3888


 40.2197, 0.4999,  
0.3888


347.0487, 0.4070,  
0.3681


 27.7099, 0.5211,  
0.3903


 75.4979, 0.4673,  
0.3839


 18.1071, 0.5465,  
0.3899


 99.0352, 0.4546,  
0.3813

 11.0269, 0.5768,  
0.3857


 127.0170, 0.4437,  
0.3787

 6.0849, 0.6209,  
0.3791

 159.8278, 0.4344,  
0.3763

 2.8968, 0.6525,  
0.3475

 197.8520, 0.4262,  
0.3740

 1.0781, 0.7023,  
0.2977

241.4739, 0.4190,

 0.0000, 1.0000,

0.3719

0.0000

291.0780, 0.4126,  
0.3699

■ 0.0000, 0.0000,  
0.0000

■ 40.2197, 0.4999,  
0.3888

■ 40.2197, 0.4999,  
0.3888

■ 35.5584, 0.5335,  
0.3885

■ 45.7262, 0.4652,  
0.3847

■ 31.6950, 0.5629,  
0.3830


■ 52.1243, 0.4319,  
0.3775


■ 28.8425, 0.5843,  
0.3742

■ 59.4541, 0.4014,  
0.3685

■ 67.7534, 0.3745,  
0.3586

■ 77.0579, 0.3512,  
0.3486

 87.4014, 0.3312,  
0.3390

 98.8159, 0.3142,  
0.3299

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.



40.2197, 0.4830, 0.3225



40.2197, 0.4999, 0.3888



40.2197, 0.4592, 0.4554

# Triad

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



40.2197, 0.4999, 0.3888



40.2197, 0.2147, 0.4060



40.2197, 0.2242, 0.1917

# Complementary

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



40.2197, 0.4999, 0.3888



45.4972, 0.2111, 0.2445

# 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.



40.2197, 0.1731, 0.1934



40.2197, 0.4999, 0.3888



40.2197, 0.1665, 0.2994

# Square

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



40.2197, 0.4999, 0.3888



40.2197, 0.2940, 0.4928



40.2197, 0.1539, 0.2265



40.2197, 0.3074, 0.2162



# Rectangle

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



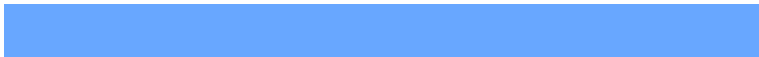
40.2197, 0.4999, 0.3888



40.2197, 0.4110, 0.4918



40.2197, 0.1539, 0.2265



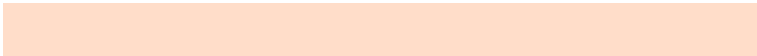
40.2197, 0.2034, 0.1892

# Sweetspot

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



40.2190, 0.4999, 0.3888



77.0438, 0.3512, 0.3487



29.9459, 0.3916, 0.2206



15.9188, 0.3573, 0.3514



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.



40.2190, 0.4999, 0.3888



33.9146, 0.5460, 0.3870



77.1575, 0.4253, 0.4676



19.0547, 0.3285, 0.3376



15.3268, 0.5813, 0.3766



1.6903, 0.5597, 0.3938

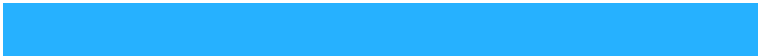


# Inverse Universe

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



45.4972, 0.2111, 0.2445



39.1417, 0.1988, 0.2248



18.0097, 0.1821, 0.1284



19.3196, 0.2980, 0.3203



17.8300, 0.1907, 0.2066



1.9431, 0.1950, 0.2221



# Previews

## White Background



This preview shows how the Yxy color 40.2197, 0.4999, 0.3888 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 40.2197, 0.4999, 0.3888 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

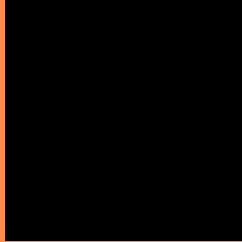
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 40.2197, 0.4999, 0.3888**

## Background



This preview shows how black text looks on a background with the Yxy color 40.2197, 0.4999, 0.3888.



This preview shows how white text looks on a background with the Yxy color 40.2197, 0.4999, 0.3888.

# 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

40.2197, 0.4999, 0.3888

### Protanopia

40.5847, 0.4038, 0.4412

### Deuteranopia

40.2551, 0.4448, 0.4355



## Tritanopia

40.2632, 0.4358, 0.3211

# Trichromacy



**Original Color**

40.2197, 0.4999, 0.3888

**Protanomaly**

39.5216, 0.4399, 0.4211

**Deuteranomaly**

40.0474, 0.4658, 0.4177

**Tritanomaly**

40.1527, 0.4624, 0.3486

# Monochromacy



**Original Color**

40.2197, 0.4999, 0.3888

**Achromatopsia**

38.1326, 0.3127, 0.3290

**Achromatomaly**

37.4762, 0.3781, 0.3595

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.2197, 0.4999, 0.3888 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, 139, 74)` looks like.

```
.text, #text, p{  
    color:rgb(255, 139, 74)  
}
```

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, 139, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 139, 74) }
```

## Border

The CSS property to change the border of an element to Yxy 40.2197, 0.4999, 0.3888 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, 139, 74) }
```

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

```
.border{ border-color:rgb(255, 139, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 139, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 139, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 139, 74);  
box-shadow:4px 4px 4px 4px rgb(255, 139,  
74) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.2197, 0.4999, 0.3888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 139, 74) }
```

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

```
.background{ background-color: rgb(255,  
139, 74) }
```

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