

# Converting Colors

$Y_{xy}(37.9720, 0.4911, 0.3866)$

Have a look what the booklet for  
Yxy(37.9720, 0.4911, 0.3866)  
contains.

<b>Yxy(38.0342, 0.4913, 0.3867)</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(38.0342, 0.4913, 0.3867)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6894E
RGB	246, 137, 78
RGB Percent	96%, 54%, 31%
CMY	0.0354, 0.4627, 0.6942
CMYK	0.00, 0.44, 0.68, 0.04
HSL	21°, 90%, 64%
HSV	21°, 68%, 96%
XYZ	48.3222, 38.0342, 11.9994
YIQ	162.8650, 83.9030, 4.7590

# Conversions

## Conversions Part 2

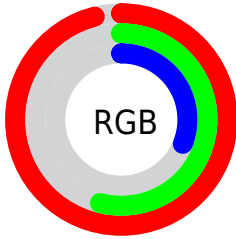
Format	Color
R <sub>Y</sub> B	246, 169, 78
Decimal	16157006
CIE Lab	68.05, 36.79, 49.02
CIE LCh	68, 61.292, 53.107
Yxy	38.0342, 0.4913, 0.3867
Android (android.graphics.Color)	4294347086 (0xFFFF6894E)
YUV	162.8650, -41.8384, 72.9094
Hunter-Lab	61.6719, 31.9356, 31.6343

# Details

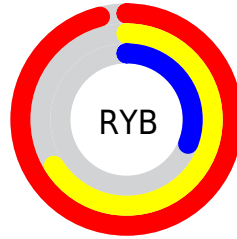
The Yxy color **38.0342, 0.4913, 0.3867** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **43.7921, 0.2145, 0.2503**, and the grayscale version is **36.7318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5443, 0.4168, 0.3940**, and **16.7761, 0.5380, 0.3884** is the 20% darker color. If you saturate the color by 10%, you get **33.5406, 0.5258, 0.3876**, and if you desaturate by 10%, it is **43.3345, 0.4565, 0.3818**.

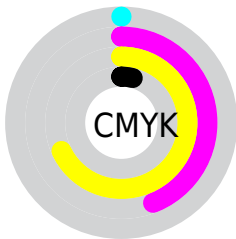
# Distribution



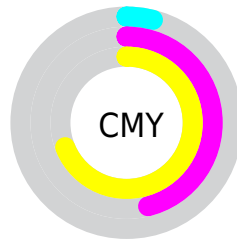
- Red (96%)
- Green (54%)
- Blue (31%)



- Red (96%)
- Yellow (66%)
- Blue (31%)



- Cyan (0%)
- Magenta (44%)
- Yellow (68%)
- Black (4%)




- Cyan (4%)
- Magenta (46%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0342, 0.4913, 0.3867 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 38.0342, 0.4913, 0.3867 by changing the saturation by 10% instead.





 38.0342, 0.4913,  
0.3867


 38.0342, 0.4913,  
0.3867


337.7667, 0.4012,  
0.3656


 26.0092, 0.5124,  
0.3886


 72.1606, 0.4592,  
0.3814


 16.8305, 0.5382,  
0.3890


 95.0307, 0.4469,  
0.3787

 10.1137, 0.5694,  
0.3859


 122.2848, 0.4364,  
0.3761

 5.4744, 0.6179,  
0.3821

 154.3071, 0.4274,  
0.3736

 2.5282, 0.6503,  
0.3497

 191.4820, 0.4195,  
0.3714

 0.8907, 0.7028,  
0.2972

234.1940, 0.4127,

 0.0000, 1.0000,

0.3693

0.0000

282.8274, 0.4066,  
0.3674

0.0000, 0.0000,  
0.0000

38.0342, 0.4913,  
0.3867

38.0342, 0.4913,  
0.3867

33.5406, 0.5258,  
0.3876

43.3345, 0.4565,  
0.3818

29.8028, 0.5570,  
0.3835

49.4761, 0.4236,  
0.3742


26.7694, 0.5822,  
0.3745

56.4986, 0.3939,  
0.3650

26.3150, 0.5861,  
0.3729

64.4371, 0.3679,  
0.3553

73.3247, 0.3455,  
0.3456

 83.1925, 0.3264,  
0.3363

 94.0703, 0.3101,  
0.3276

 98.3298, 0.3072,  
0.3290

# Harmonies

## Analogous

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



38.0342, 0.4734, 0.3227



38.0342, 0.4913, 0.3867



38.0342, 0.4543, 0.4500

# Triad

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



38.0342, 0.4913, 0.3867



38.0342, 0.2209, 0.4034



38.0342, 0.2273, 0.1972

# Complementary

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



38.0342, 0.4913, 0.3867



43.7921, 0.2145, 0.2503

# 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.



38.0342, 0.1784, 0.1996



38.0342, 0.4913, 0.3867



38.0342, 0.1735, 0.3032

# Square

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



38.0342, 0.4913, 0.3867



38.0342, 0.2973, 0.4839



38.0342, 0.1603, 0.2326



38.0342, 0.3065, 0.2204



# Rectangle

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



38.0342, 0.4913, 0.3867



38.0342, 0.4090, 0.4839



38.0342, 0.1603, 0.2326



38.0342, 0.2075, 0.1950

# Sweetspot

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



38.0362, 0.4913, 0.3867



77.8200, 0.3492, 0.3473



28.6325, 0.3873, 0.2230



16.0637, 0.3553, 0.3500



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.



38.0362, 0.4913, 0.3867



34.7395, 0.5384, 0.3867



71.7385, 0.4218, 0.4642



17.4350, 0.3285, 0.3374



14.2858, 0.5831, 0.3752



1.4412, 0.5591, 0.3942



# Inverse Universe

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



43.7921, 0.2145, 0.2503



41.0603, 0.2017, 0.2313



18.0096, 0.1867, 0.1364



17.7206, 0.2980, 0.3205



17.1631, 0.1916, 0.2096



1.7010, 0.1962, 0.2263



# Previews

## White Background



This preview shows how the Yxy color 38.0342, 0.4913, 0.3867 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 38.0342, 0.4913, 0.3867 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 38.0342, 0.4913, 0.3867**

## Background



This preview shows how black text looks on a background with the Yxy color 38.0342, 0.4913, 0.3867.



This preview shows how white text looks on a background with the Yxy color 38.0342, 0.4913, 0.3867.

# 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

38.0342, 0.4913, 0.3867

### Protanopia

38.0443, 0.3982, 0.4338

### Deuteranopia

38.0566, 0.4392, 0.4298



## Tritanopia

38.1533, 0.4366, 0.3199

# Trichromacy



**Original Color**

38.0342, 0.4913, 0.3867

**Protanomaly**

37.2046, 0.4332, 0.4157

**Deuteranomaly**

37.6928, 0.4594, 0.4124

**Tritanomaly**

38.1991, 0.4589, 0.3460

# Monochromacy



**Original Color**

38.0342, 0.4913, 0.3867

**Achromatopsia**

36.6253, 0.3127, 0.3290

**Achromatomaly**

36.1146, 0.3747, 0.3588

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.0342, 0.4913, 0.3867 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(246, 137, 78)` looks like.

```
.text, #text, p{  
    color:rgb(246, 137, 78)  
}
```

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(246, 137, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 137, 78) }
```

## Border

The CSS property to change the border of an element to Yxy 38.0342, 0.4913, 0.3867 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(246, 137, 78) }
```

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

```
.border{ border-color:rgb(246, 137, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 137, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 137, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 137, 78);  
box-shadow:4px 4px 4px 4px rgb(246, 137,  
78) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.0342, 0.4913, 0.3867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 137, 78) }
```

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

```
.background{ background-color: rgb(246,  
137, 78) }
```

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