

# Converting Colors

$Y_{xy}(40.8988, 0.4448, 0.3674)$

Have a look what the booklet for  
Yxy(40.8988, 0.4448, 0.3674)  
contains.

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# Color

**Yxy(40.8973, 0.4448, 0.3674)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F09471
RGB	240, 148, 113
RGB Percent	94%, 58%, 44%
CMY	0.0587, 0.4196, 0.5569
CMYK	0.00, 0.38, 0.53, 0.06
HSL	17°, 81%, 69%
HSV	17°, 53%, 94%
XYZ	49.5131, 40.8973, 20.9050
YIQ	171.5180, 66.0670, 8.6190

# Conversions

## Conversions Part 2

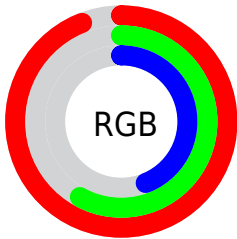
Format	Color
R <sub>Y</sub> B	240, 161, 113
Decimal	15766641
CIE Lab	70.10, 31.18, 33.08
CIE LCh	70, 45.452, 46.694
Yxy	40.8973, 0.4448, 0.3674
Android (android.graphics.Color)	4293956721 (0xFFFF09471)
YUV	171.5180, -28.8494, 60.0587
Hunter-Lab	63.9510, 26.2867, 25.3843

# Details

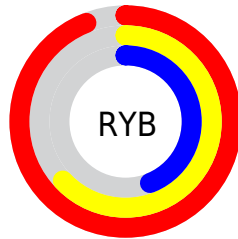
The Yxy color **40.8973, 0.4448, 0.3674** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **53.4826, 0.2357, 0.2840**, and the grayscale version is **41.1227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6885, 0.3836, 0.3687**, and **18.4392, 0.4833, 0.3724** is the 20% darker color. If you saturate the color by 10%, you get **35.3769, 0.4820, 0.3722**, and if you desaturate by 10%, it is **47.3845, 0.4110, 0.3608**.

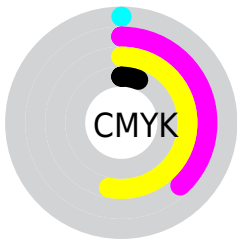
# Distribution



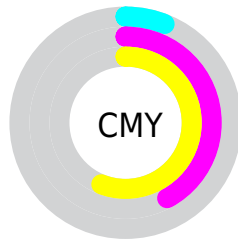
- Red (94%)
- Green (58%)
- Blue (44%)



- Red (94%)
- Yellow (63%)
- Blue (44%)



- Cyan (0%)
- Magenta (38%)
- Yellow (53%)
- Black (6%)




- Cyan (6%)
- Magenta (42%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8973, 0.4448, 0.3674 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 40.8973, 0.4448, 0.3674 by changing the saturation by 10% instead.





 40.8973, 0.4448,  
0.3674


 40.8973, 0.4448,  
0.3674


349.8912, 0.3773,  
0.3518

 28.2388, 0.4616,  
0.3699


 76.5280, 0.4202,  
0.3627

 18.5058, 0.4830,  
0.3721


 100.2690, 0.4109,  
0.3607

 11.3137, 0.5107,  
0.3734


 128.4729, 0.4031,  
0.3588

 6.2783, 0.5474,  
0.3720

 161.5243, 0.3964,  
0.3571

 3.0150, 0.6132,  
0.3731

199.8074, 0.3907,  
0.3556

 1.1396, 0.6644,  
0.3356

243.7066, 0.3856,

 0.0115, 0.9853,

0.3542

0.0147

293.6064, 0.3812,  
0.3529

0.0000, 0.0000,  
0.0000

40.8973, 0.4448,  
0.3674

40.8973, 0.4448,  
0.3674

35.3769, 0.4820,  
0.3722

47.3845, 0.4110,  
0.3608

30.7689, 0.5205,  
0.3740

54.8765, 0.3815,  
0.3533

27.0231, 0.5572,  
0.3716

63.4172, 0.3564,  
0.3456

24.0807, 0.5878,  
0.3648

73.0455, 0.3351,  
0.3381

22.4414, 0.6047,  
0.3581

83.7986, 0.3173,  
0.3310

95.5815, 0.3036,  
0.3264

97.2706, 0.3036,  
0.3290

# Harmonies

## Analogous

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



40.8973, 0.4206, 0.3173



40.8973, 0.4448, 0.3674



40.8973, 0.4287, 0.4150

# Triad

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



40.8973, 0.4448, 0.3674



40.8973, 0.2573, 0.3962



40.8973, 0.2391, 0.2268

# Complementary

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



40.8973, 0.4448, 0.3674



53.4826, 0.2357, 0.2840

# 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.



40.8973, 0.2051, 0.2351



40.8973, 0.4448, 0.3674



40.8973, 0.2139, 0.3272

# Square

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



40.8973, 0.4448, 0.3674



40.8973, 0.3185, 0.4434



40.8973, 0.1963, 0.2687



40.8973, 0.2954, 0.2406



# Rectangle

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



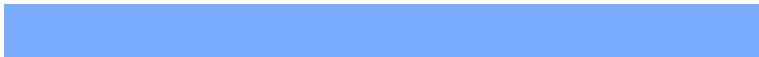
40.8973, 0.4448, 0.3674



40.8973, 0.3997, 0.4391



40.8973, 0.1963, 0.2687



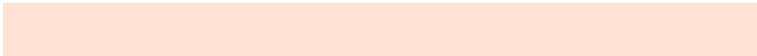
40.8973, 0.2251, 0.2269

# Sweetspot

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



40.8994, 0.4448, 0.3674



80.2137, 0.3414, 0.3404



34.8033, 0.3529, 0.2317



16.6761, 0.3457, 0.3419



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.



40.8994, 0.4448, 0.3674



39.8518, 0.4869, 0.3726



66.0080, 0.4052, 0.4310



16.4675, 0.3286, 0.3356



12.4719, 0.6019, 0.3603



1.1983, 0.5762, 0.3807



# Inverse Universe

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



53.4826, 0.2357, 0.2840



55.5989, 0.2230, 0.2725



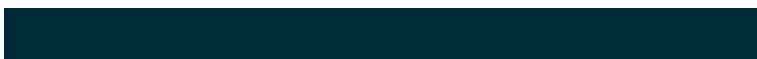
29.3392, 0.2182, 0.1981



17.1497, 0.2981, 0.3223



20.2251, 0.1992, 0.2369



1.8480, 0.2029, 0.2505



# Previews

## White Background



This preview shows how the Yxy color 40.8973, 0.4448, 0.3674 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 40.8973, 0.4448, 0.3674 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 40.8973, 0.4448, 0.3674**

## Background



This preview shows how black text looks on a background with the Yxy color 40.8973, 0.4448, 0.3674.



This preview shows how white text looks on a background with the Yxy color 40.8973, 0.4448, 0.3674.

# 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

40.8973, 0.4448, 0.3674

### Protanopia

41.2494, 0.3677, 0.3956

### Deuteranopia

40.9421, 0.4052, 0.3967



## Tritanopia

40.9995, 0.4078, 0.3183

# Trichromacy



**Original Color**

40.8973, 0.4448, 0.3674

**Protanomaly**

40.5054, 0.3955, 0.3851

**Deuteranomaly**

40.6615, 0.4199, 0.3853

**Tritanomaly**

40.9630, 0.4223, 0.3370

# Monochromacy



**Original Color**

40.8973, 0.4448, 0.3674

**Achromatopsia**

41.2543, 0.3127, 0.3290

**Achromatomaly**

40.2991, 0.3569, 0.3448

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.8973, 0.4448, 0.3674 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(240, 148, 113)` looks like.

```
.text, #text, p{  
    color:rgb(240, 148, 113)  
}
```

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(240, 148, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 148, 113) }
```

## Border

The CSS property to change the border of an element to Yxy 40.8973, 0.4448, 0.3674 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(240, 148, 113) }
```

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

```
.border{ border-color:rgb(240, 148, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 148, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 148, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 148, 113);  
box-shadow:4px 4px 4px 4px rgb(240, 148,  
113) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.8973, 0.4448, 0.3674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 148, 113) }
```

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

```
.background{ background-color: rgb(240,  
148, 113) }
```

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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