

# Converting Colors

$Y_{xy}(46.9016, 0.4382, 0.3775)$

Have a look what the booklet for  
Yxy(46.9016, 0.4382, 0.3775)  
contains.

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# Color

**Yxy(46.8992, 0.4380, 0.3770)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F7A275
RGB	247, 162, 117
RGB Percent	97%, 64%, 46%
CMY	0.0314, 0.3647, 0.5411
CMYK	0.00, 0.34, 0.53, 0.03
HSL	21°, 89%, 71%
HSV	21°, 53%, 97%
XYZ	54.4877, 46.8992, 23.0142
YIQ	182.2850, 65.1050, 4.0250

# Conversions

## Conversions Part 2

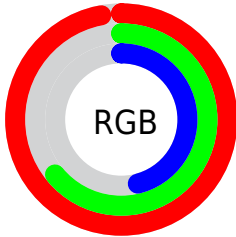
Format	Color
<a href="#">RYB</a>	<a href="#">247, 186, 117</a>
Decimal	<a href="#">16228981</a>
CIELab	<a href="#">74.13, 26.89, 36.25</a>
CIElCh	<a href="#">74, 45.135, 53.437</a>
Yxy	<a href="#">46.8992, 0.4380, 0.3770</a>
Android (android.graphics.Color)	<a href="#">4294419061</a> ( <a href="#">0xFFFF7A275</a> )
YUV	<a href="#">182.2850, -32.1855, 56.7551</a>
Hunter-Lab	<a href="#">68.4830, 22.1761, 28.0133</a>

# Details

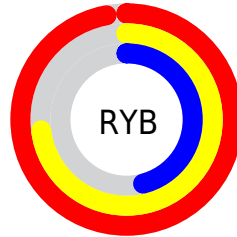
The Yxy color **46.8992, 0.4380, 0.3770** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **52.7374, 0.2335, 0.2722**, and the grayscale version is **47.0969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7880, 0.3750, 0.3774**, and **22.1340, 0.4710, 0.3845** is the 20% darker color. If you saturate the color by 10%, you get **41.0659, 0.4721, 0.3835**, and if you desaturate by 10%, it is **53.6211, 0.4067, 0.3685**.

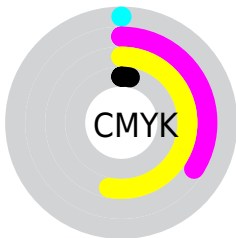
# Distribution



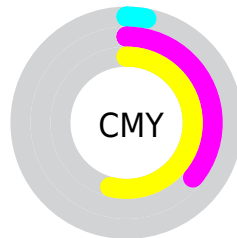
- Red (97%)
- Green (64%)
- Blue (46%)



- Red (97%)
- Yellow (73%)
- Blue (46%)



- Cyan (0%)
- Magenta (34%)
- Yellow (53%)
- Black (3%)




- Cyan (3%)
- Magenta (36%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8992, 0.4380, 0.3770 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 46.8992, 0.4380, 0.3770 by changing the saturation by 10% instead.





 46.8992, 0.4380,  
0.3770


 46.8992, 0.4380,  
0.3770


374.4120, 0.3756,  
0.3568

 32.9560, 0.4530,  
0.3806


 85.5631, 0.4156,  
0.3707

 22.0927, 0.4719,  
0.3845


 111.0526, 0.4071,  
0.3680

 13.9250, 0.4959,  
0.3880


 141.1597, 0.3999,  
0.3656

 8.0686, 0.5270,  
0.3900

176.2687, 0.3936,  
0.3634

 4.1388, 0.5735,  
0.3912

216.7640, 0.3882,  
0.3615

 1.7515, 0.6257,  
0.3743

263.0301, 0.3835,

 0.4567, 0.7096,

0.3598

0.2904

315.4513, 0.3793,  
0.3582

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

46.8992, 0.4380,  
0.3770

46.8992, 0.4380,  
0.3770

41.0659, 0.4721,  
0.3835

53.6211, 0.4067,  
0.3685

36.0742, 0.5074,  
0.3867


61.2617, 0.3789,  
0.3591


31.8828, 0.5411,  
0.3855

69.8582, 0.3549,  
0.3495

28.4433, 0.5701,  
0.3790

79.4434, 0.3343,  
0.3401

 26.3493, 0.5875,  
0.3717

 90.0486, 0.3168,  
0.3312

 98.5127, 0.3078,  
0.3290

# Harmonies

## Analogous

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



46.8992, 0.4235, 0.3288



46.8992, 0.4380, 0.3770



46.8992, 0.4153, 0.4200

# Triad

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



46.8992, 0.4380, 0.3770



46.8992, 0.2490, 0.3785



46.8992, 0.2531, 0.2325

# Complementary

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



46.8992, 0.4380, 0.3770



52.7374, 0.2335, 0.2722

# 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.



46.8992, 0.2152, 0.2357



46.8992, 0.4380, 0.3770



46.8992, 0.2125, 0.3136

# Square

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



46.8992, 0.4380, 0.3770



46.8992, 0.3048, 0.4303



46.8992, 0.2012, 0.2625



46.8992, 0.3106, 0.2500



# Rectangle

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



46.8992, 0.4380, 0.3770



46.8992, 0.3844, 0.4390



46.8992, 0.2012, 0.2625



46.8992, 0.2380, 0.2311

# Sweetspot

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



46.9015, 0.4380, 0.3770



81.7905, 0.3409, 0.3432



36.8423, 0.3620, 0.2400



17.0490, 0.3451, 0.3452



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.



46.9015, 0.4380, 0.3770



43.8755, 0.4738, 0.3837



75.0860, 0.4002, 0.4381



17.4206, 0.3285, 0.3373



14.1746, 0.5845, 0.3741



1.4302, 0.5604, 0.3932



# Inverse Universe

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



52.7374, 0.2335, 0.2722



50.6432, 0.2205, 0.2584



28.8698, 0.2163, 0.1875



17.7356, 0.2980, 0.3206



17.3993, 0.1921, 0.2115



1.7206, 0.1967, 0.2279



# Previews

## White Background



This preview shows how the Yxy color 46.8992, 0.4380, 0.3770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

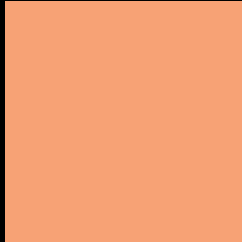
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.8992, 0.4380, 0.3770 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

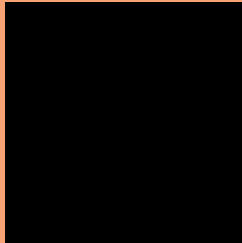
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.8992, 0.4380, 0.3770**

## Background



This preview shows how black text looks on a background with the Yxy color 46.8992, 0.4380, 0.3770.



This preview shows how white text looks on a background with the Yxy color 46.8992, 0.4380, 0.3770.

# 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

46.8992, 0.4380, 0.3770

### Protanopia

47.3534, 0.3738, 0.4030

### Deuteranopia

46.8821, 0.4083, 0.3984



## Tritanopia

46.7419, 0.3959, 0.3164

# Trichromacy



## Original Color

46.8992, 0.4380, 0.3770

## Protanomaly

46.6640, 0.3971, 0.3929

## Deuteranomaly

46.8334, 0.4183, 0.3906

## Tritanomaly

46.9476, 0.4121, 0.3389

# Monochromacy



## Original Color

46.8992, 0.4380, 0.3770

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

46.2504, 0.3557, 0.3504

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.8992, 0.4380, 0.3770 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(247, 162, 117)` looks like.

```
.text, #text, p{  
    color:rgb(247, 162, 117)  
}
```

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(247, 162, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 162, 117) }
```

## Border

The CSS property to change the border of an element to Yxy 46.8992, 0.4380, 0.3770 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(247, 162, 117) }
```

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

```
.border{ border-color:rgb(247, 162, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 162, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 162, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 162, 117);  
box-shadow:4px 4px 4px 4px rgb(247, 162,  
117) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.8992, 0.4380, 0.3770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 162, 117) }
```

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

```
.background{ background-color: rgb(247,  
162, 117) }
```

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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