

# Converting Colors

Yxy(61.3026, 0.4886, 0.3603)

Have a look what the booklet for  
Yxy(61.3026, 0.4886, 0.3603)  
contains.

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# Color

**Yxy(48.1549, 0.4412, 0.3695)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA17A
RGB	255, 161, 122
RGB Percent	100%, 63%, 48%
CMY	0.0000, 0.3686, 0.5216
CMYK	0.00, 0.37, 0.52, 0.00
HSL	18°, 100%, 74%
HSV	18°, 52%, 100%
XYZ	57.4992, 48.1549, 24.6704
YIQ	184.6600, 68.5430, 7.7990

# Conversions

## Conversions Part 2

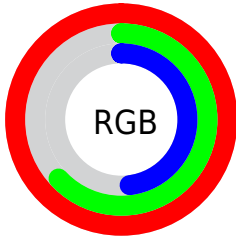
Format	Color
R <sub>Y</sub> B	255, 177, 122
Decimal	16753018
CIE Lab	74.92, 30.97, 34.84
CIE LCh	75, 46.609, 48.365
Yxy	48.1549, 0.4412, 0.3695
Android (android.graphics.Color)	4294943098 (0xFFFFA17A)
YUV	184.6600, -30.8914, 61.6882
Hunter-Lab	69.3937, 26.4648, 27.4972

# Details

The Yxy color **48.1549, 0.4412, 0.3695** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **60.4571, 0.2358, 0.2816**, and the grayscale version is **48.4625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4669, 0.3716, 0.3713**, and **22.8083, 0.4762, 0.3736** is the 20% darker color. If you saturate the color by 10%, you get **41.7536, 0.4776, 0.3749**, and if you desaturate by 10%, it is **55.6313, 0.4082, 0.3623**.

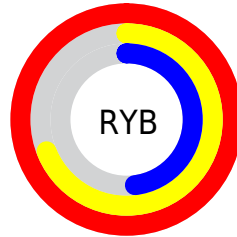
# Distribution



Red (100%)

Green (63%)

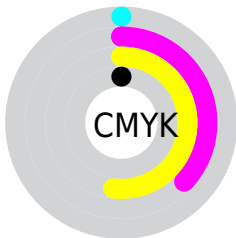
Blue (48%)



Red (100%)

Yellow (69%)

Blue (48%)

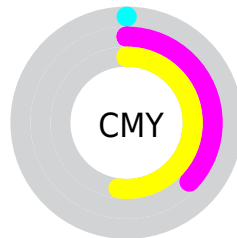


Cyan (0%)

Magenta (37%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (37%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1549, 0.4412, 0.3695 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 48.1549, 0.4412, 0.3695 by changing the saturation by 10% instead.





 48.1549, 0.4412,  
0.3695

 48.1549, 0.4412,  
0.3695


379.4058, 0.3773,  
0.3532

 33.9496, 0.4566,  
0.3722


 87.4350, 0.4183,  
0.3646

 22.8549, 0.4759,  
0.3748


 113.2785, 0.4096,  
0.3624

 14.4864, 0.5005,  
0.3769


 143.7703, 0.4022,  
0.3605

 8.4597, 0.5327,  
0.3772

179.2946, 0.3958,  
0.3587

 4.3905, 0.5775,  
0.3740

220.2360, 0.3902,  
0.3571

 1.8943, 0.6401,  
0.3599

266.9787, 0.3854,

 0.5450, 0.7127,

0.3557

0.2873

319.9071, 0.3811,  
0.3544

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

48.1549, 0.4412,  
0.3695

48.1549, 0.4412,  
0.3695

41.7536, 0.4776,  
0.3749

55.6313, 0.4082,  
0.3623

36.3730, 0.5154,  
0.3772

64.2283, 0.3793,  
0.3543

31.9572, 0.5516,  
0.3753

73.9920, 0.3546,  
0.3461

28.4429, 0.5823,  
0.3686

84.9649, 0.3337,  
0.3381

■ 26.2658, 0.6011,  
0.3609

■ 97.1872, 0.3161,  
0.3306

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.



48.1549, 0.4198, 0.3204



48.1549, 0.4412, 0.3695



48.1549, 0.4238, 0.4152

# Triad

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



48.1549, 0.4412, 0.3695



48.1549, 0.2561, 0.3906



48.1549, 0.2436, 0.2295

# Complementary

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



48.1549, 0.4412, 0.3695



60.4571, 0.2358, 0.2816

# 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.



48.1549, 0.2090, 0.2365



48.1549, 0.4412, 0.3695



48.1549, 0.2149, 0.3238

# Square

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



48.1549, 0.4412, 0.3695



48.1549, 0.3151, 0.4383



48.1549, 0.1990, 0.2681



48.1549, 0.2995, 0.2441



# Rectangle

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



48.1549, 0.4412, 0.3695



48.1549, 0.3948, 0.4377



48.1549, 0.1990, 0.2681



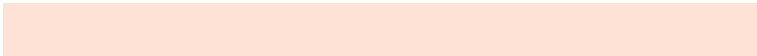
48.1549, 0.2295, 0.2293

# Sweetspot

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



48.1558, 0.4412, 0.3695



80.6099, 0.3413, 0.3411



40.2007, 0.3546, 0.2346



16.7697, 0.3455, 0.3428



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.



48.1558, 0.4412, 0.3695



41.2653, 0.4807, 0.3752



77.1551, 0.4030, 0.4319



18.8552, 0.3287, 0.3360



13.9473, 0.5982, 0.3632



1.5373, 0.5761, 0.3808



# Inverse Universe

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



60.4571, 0.2358, 0.2816



54.6679, 0.2232, 0.2697



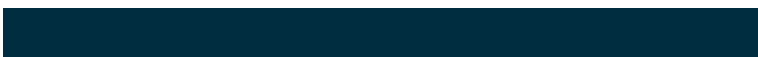
33.4261, 0.2188, 0.1970



19.5284, 0.2980, 0.3219



21.1413, 0.1973, 0.2303



2.2478, 0.2008, 0.2429



# Previews

## White Background



This preview shows how the Yxy color 48.1549, 0.4412, 0.3695 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

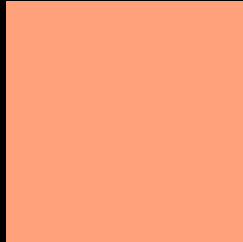
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.1549, 0.4412, 0.3695 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 48.1549, 0.4412, 0.3695**

## Background



This preview shows how black text looks on a background with the Yxy color 48.1549, 0.4412, 0.3695.



This preview shows how white text looks on a background with the Yxy color 48.1549, 0.4412, 0.3695.

# 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

48.1549, 0.4412, 0.3695

### Protanopia

48.5060, 0.3682, 0.3963

### Deuteranopia

48.4642, 0.4051, 0.3968



## Tritanopia

48.2011, 0.3978, 0.3177

# Trichromacy



**Original Color**

48.1549, 0.4412, 0.3695

**Protanomaly**

47.6692, 0.3942, 0.3864

**Deuteranomaly**

48.1441, 0.4188, 0.3862

**Tritanomaly**

47.9481, 0.4146, 0.3367

# Monochromacy



**Original Color**

48.1549, 0.4412, 0.3695

**Achromatopsia**

48.5150, 0.3127, 0.3290

**Achromatomaly**

47.3609, 0.3556, 0.3463

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.1549, 0.4412, 0.3695 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, 161, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 122)  
}
```

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, 161, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 48.1549, 0.4412, 0.3695 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, 161, 122) }
```

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

```
.border{ border-color:rgb(255, 161, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 161, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
122) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.1549, 0.4412, 0.3695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 122) }
```

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

```
.background{ background-color: rgb(255,  
161, 122) }
```

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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