

# Converting Colors

$Yxy(47.1834, 0.4381, 0.3608)$

Have a look what the booklet for  
Yxy(47.1834, 0.4381, 0.3608)  
contains.

<b>Yxy(47.2460, 0.4383, 0.3614)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(47.2460, 0.4383, 0.3614)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9E7F
RGB	255, 158, 127
RGB Percent	100%, 62%, 50%
CMY	0.0000, 0.3804, 0.5019
CMYK	0.00, 0.38, 0.50, 0.00
HSL	15°, 100%, 75%
HSV	15°, 50%, 100%
XYZ	57.2992, 47.2460, 26.1853
YIQ	183.4690, 67.7630, 10.9230

# Conversions

## Conversions Part 2

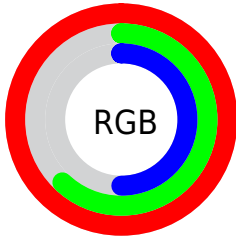
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 168, 127
Decimal	16752255
CIE Lab	74.35, 32.96, 31.40
CIE LCh	74, 45.518, 43.611
Yxy	47.2460, 0.4383, 0.3614
Android (android.graphics.Color)	4294942335 (0xFFFF9E7F)
YUV	183.4690, -27.8392, 62.7327
Hunter-Lab	68.7357, 28.5129, 25.5281

# Details

The Yxy color **47.2460, 0.4383, 0.3614** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **65.0549, 0.2399, 0.2919**, and the grayscale version is **47.7551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1438, 0.3688, 0.3632**, and **22.2411, 0.4743, 0.3650** is the 20% darker color. If you saturate the color by 10%, you get **40.5819, 0.4762, 0.3660**, and if you desaturate by 10%, it is **55.1195, 0.4044, 0.3553**.

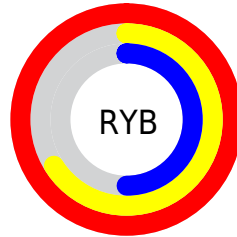
# Distribution



Red (100%)

Green (62%)

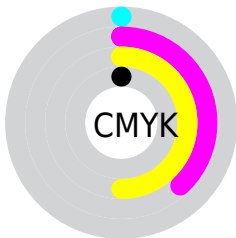
Blue (50%)



Red (100%)

Yellow (66%)

Blue (50%)

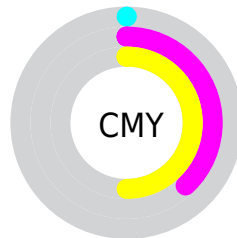


Cyan (0%)

Magenta (38%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (38%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2460, 0.4383, 0.3614 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 47.2460, 0.4383, 0.3614 by changing the saturation by 10% instead.





 47.2460, 0.4383,  
0.3614


 47.2460, 0.4383,  
0.3614


375.7956, 0.3754,  
0.3487

 33.2302, 0.4536,  
0.3634


 86.0807, 0.4156,  
0.3577

 22.3028, 0.4730,  
0.3652


 111.6684, 0.4070,  
0.3560

 14.0796, 0.4979,  
0.3663


 141.8821, 0.3998,  
0.3545

 8.1760, 0.5310,  
0.3655

177.1063, 0.3935,  
0.3531

 4.2078, 0.5764,  
0.3603

217.7254, 0.3881,  
0.3518

 1.7905, 0.6510,  
0.3490

264.1237, 0.3833,

 0.4812, 0.7351,

0.3507

0.2649

316.6856, 0.3791,  
0.3497

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

47.2460, 0.4383,  
0.3614

47.2460, 0.4383,  
0.3614

40.5819, 0.4762,  
0.3660

55.1195, 0.4044,  
0.3553

35.0595, 0.5163,  
0.3680

64.2526, 0.3753,  
0.3486

30.6138, 0.5553,  
0.3664

74.7007, 0.3507,  
0.3418

27.1703, 0.5885,  
0.3607

86.5136, 0.3301,  
0.3353

■ 24.6762, 0.6125,  
0.3519

99.7387, 0.3130,  
0.3291

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.



47.2460, 0.4112, 0.3133



47.2460, 0.4383, 0.3614



47.2460, 0.4270, 0.4076

# Triad

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



47.2460, 0.4383, 0.3614



47.2460, 0.2654, 0.3990



47.2460, 0.2378, 0.2306

# Complementary

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



47.2460, 0.4383, 0.3614



65.0549, 0.2399, 0.2919

# Split Complementary

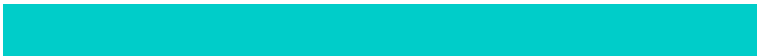
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.2460, 0.2074, 0.2413



47.2460, 0.4383, 0.3614



47.2460, 0.2213, 0.3343

# Square

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



47.2460, 0.4383, 0.3614



47.2460, 0.3251, 0.4401



47.2460, 0.2015, 0.2764



47.2460, 0.2900, 0.2418



# Rectangle

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



47.2460, 0.4383, 0.3614



47.2460, 0.4013, 0.4317



47.2460, 0.2015, 0.2764



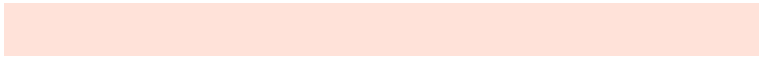
47.2460, 0.2250, 0.2316

# Sweetspot

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



47.2481, 0.4383, 0.3614



80.6548, 0.3395, 0.3384



41.8884, 0.3460, 0.2321



16.7359, 0.3439, 0.3398



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.



47.2481, 0.4383, 0.3614



40.6960, 0.4755, 0.3659



74.4386, 0.4027, 0.4228



18.7010, 0.3288, 0.3348



13.0863, 0.6098, 0.3540



1.4356, 0.5882, 0.3712



# Inverse Universe

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



65.0549, 0.2399, 0.2919



60.1671, 0.2288, 0.2832



37.2759, 0.2241, 0.2111



19.6924, 0.2980, 0.3231



24.0083, 0.2024, 0.2485



2.5072, 0.2052, 0.2588



# Previews

## White Background



This preview shows how the Yxy color 47.2460, 0.4383, 0.3614 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

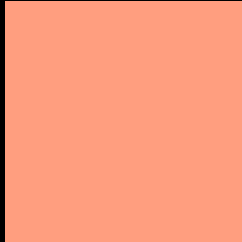
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.2460, 0.4383, 0.3614 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 47.2460, 0.4383, 0.3614**

## Background



This preview shows how black text looks on a background with the Yxy color 47.2460, 0.4383, 0.3614.



This preview shows how white text looks on a background with the Yxy color 47.2460, 0.4383, 0.3614.

# 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

47.2460, 0.4383, 0.3614

### Protanopia

47.4377, 0.3613, 0.3870

### Deuteranopia

47.1752, 0.3982, 0.3899



## Tritanopia

47.0878, 0.4020, 0.3177

# Trichromacy



**Original Color**

47.2460, 0.4383, 0.3614

**Protanomaly**

46.7450, 0.3880, 0.3775

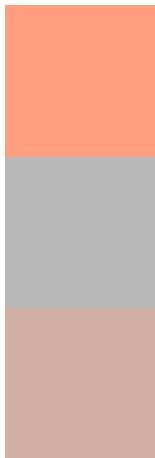
**Deuteranomaly**

47.0124, 0.4128, 0.3793

**Tritanomaly**

46.9371, 0.4160, 0.3335

# Monochromacy



**Original Color**

47.2460, 0.4383, 0.3614

**Achromatopsia**

47.3531, 0.3127, 0.3290

**Achromatomaly**

46.4718, 0.3543, 0.3427

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.2460, 0.4383, 0.3614 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, 158, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 127)  
}
```

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, 158, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 47.2460, 0.4383, 0.3614 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, 158, 127) }
```

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

```
.border{ border-color:rgb(255, 158, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.2460, 0.4383, 0.3614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 127) }
```

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

```
.background{ background-color: rgb(255,  
158, 127) }
```

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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