

# Converting Colors

$Y_{xy}(50.9778, 0.4555, 0.3575)$

Have a look what the booklet for  
Yxy(50.9778, 0.4555, 0.3575)  
contains.

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# Color

**Yxy(46.9062, 0.4389, 0.3604)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9D7F
RGB	255, 157, 127
RGB Percent	100%, 62%, 50%
CMY	0.0001, 0.3842, 0.5020
CMYK	0.00, 0.38, 0.50, 0.00
HSL	14°, 100%, 75%
HSV	14°, 50%, 100%
XYZ	57.1230, 46.9062, 26.1212
YIQ	182.8820, 68.0380, 11.4460

# Conversions

## Conversions Part 2

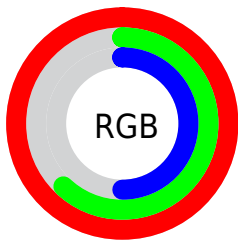
Format	Color
R <sub>Y</sub> B	255, 166, 127
Decimal	16751999
CIE Lab	74.13, 33.46, 31.12
CIE LCh	74, 45.697, 42.929
Yxy	46.9062, 0.4389, 0.3604
Android (android.graphics.Color)	4294942079 (0xFFFF9D7F)
YUV	182.8820, -27.5498, 63.2475
Hunter-Lab	68.4881, 29.0251, 25.3286

# Details

The Yxy color **46.9062, 0.4389, 0.3604** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **65.5629, 0.2401, 0.2931**, and the grayscale version is **47.4135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6423, 0.3691, 0.3622**, and **22.0386, 0.4752, 0.3637** is the 20% darker color. If you saturate the color by 10%, you get **40.2396, 0.4771, 0.3648**, and if you desaturate by 10%, it is **54.8008, 0.4048, 0.3545**.

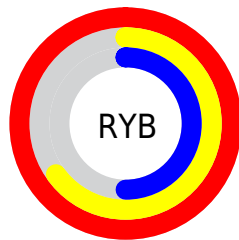
# Distribution



Red (100%)

Green (62%)

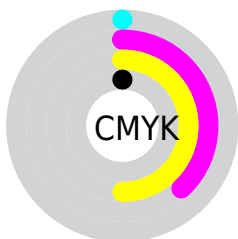
Blue (50%)



Red (100%)

Yellow (65%)

Blue (50%)

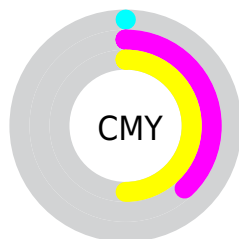


Cyan (0%)

Magenta (38%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (38%)


Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9062, 0.4389, 0.3604 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 46.9062, 0.4389, 0.3604 by changing the saturation by 10% instead.





 46.9062, 0.4389,  
0.3604


 46.9062, 0.4389,  
0.3604


374.4400, 0.3756,  
0.3482


 32.9615, 0.4544,  
0.3622


 85.5736, 0.4161,  
0.3568

 22.0970, 0.4739,  
0.3639


 111.0651, 0.4074,  
0.3552

 13.9282, 0.4991,  
0.3648


 141.1743, 0.4001,  
0.3538

 8.0707, 0.5325,  
0.3637

176.2856, 0.3938,  
0.3525

 4.1402, 0.5785,  
0.3581

216.7835, 0.3884,  
0.3512

 1.7523, 0.6541,  
0.3459

263.0522, 0.3836,

 0.4572, 0.7429,

0.3501

0.2571

315.4763, 0.3794,  
0.3491

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

46.9062, 0.4389,  
0.3604

46.9062, 0.4389,  
0.3604

40.2396, 0.4771,  
0.3648

54.8008, 0.4048,  
0.3545

34.7309, 0.5176,  
0.3667

63.9745, 0.3755,  
0.3480

30.3136, 0.5568,  
0.3651

74.4841, 0.3508,  
0.3414

26.9109, 0.5902,  
0.3593

86.3808, 0.3301,  
0.3351

■ 24.4678, 0.6140,  
0.3507

99.7131, 0.3130,  
0.3291

99.9967, 0.3127,  
0.3290

# Harmonies

## Analogous

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



46.9062, 0.4108, 0.3121



46.9062, 0.4389, 0.3604



46.9062, 0.4283, 0.4070

# Triad

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



46.9062, 0.4389, 0.3604



46.9062, 0.2663, 0.4008



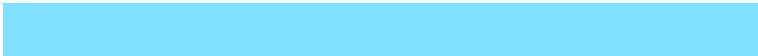
46.9062, 0.2364, 0.2301

# Complementary

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



46.9062, 0.4389, 0.3604



65.5629, 0.2401, 0.2931

# 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.



46.9062, 0.2064, 0.2413



46.9062, 0.4389, 0.3604



46.9062, 0.2215, 0.3358

# Square

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



46.9062, 0.4389, 0.3604



46.9062, 0.3265, 0.4413



46.9062, 0.2010, 0.2771



46.9062, 0.2885, 0.2408



# Rectangle

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



46.9062, 0.4389, 0.3604



46.9062, 0.4028, 0.4316



46.9062, 0.2010, 0.2771



46.9062, 0.2237, 0.2312

# Sweetspot

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



46.9086, 0.4389, 0.3604



80.4979, 0.3396, 0.3381



41.8782, 0.3460, 0.2321



16.6985, 0.3440, 0.3394



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.



46.9086, 0.4389, 0.3604



40.3631, 0.4763, 0.3648



74.4248, 0.4027, 0.4228



18.6784, 0.3289, 0.3346



12.9746, 0.6113, 0.3528



1.4219, 0.5899, 0.3698



# Inverse Universe

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



65.5629, 0.2401, 0.2931



60.7682, 0.2291, 0.2847



37.2656, 0.2241, 0.2111



19.7167, 0.2980, 0.3233



24.4523, 0.2031, 0.2512



2.5471, 0.2059, 0.2611



# Previews

## White Background



This preview shows how the Yxy color 46.9062, 0.4389, 0.3604 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

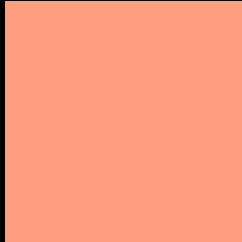
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.9062, 0.4389, 0.3604 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 46.9062, 0.4389, 0.3604**

## Background



This preview shows how black text looks on a background with the Yxy color 46.9062, 0.4389, 0.3604.



This preview shows how white text looks on a background with the Yxy color 46.9062, 0.4389, 0.3604.

# 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

46.9062, 0.4389, 0.3604

### Protanopia

47.0266, 0.3616, 0.3858

### Deuteranopia

47.1752, 0.3982, 0.3899



## Tritanopia

47.0515, 0.4030, 0.3187

# Trichromacy



**Original Color**

46.9062, 0.4389, 0.3604

**Protanomaly**

46.3601, 0.3885, 0.3763

**Deuteranomaly**

46.6417, 0.4133, 0.3781

**Tritanomaly**

46.9371, 0.4160, 0.3335

# Monochromacy



**Original Color**

46.9062, 0.4389, 0.3604

**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 46.9062, 0.4389, 0.3604 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, 157, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 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, 157, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 46.9062, 0.4389, 0.3604 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, 157, 127) }
```

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

```
.border{ border-color:rgb(255, 157, 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, 157, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.9062, 0.4389, 0.3604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 157, 127) }
```

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

```
.background{ background-color: rgb(255,  
157, 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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