

Converting Colors

$Y_{xy}(71.1807, 0.5124, 0.3497)$

Have a look what the booklet for
Yxy(71.1807, 0.5124, 0.3497)
contains.

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Color

Yxy(46.8803, 0.4399, 0.3614)

Conversions

Conversions Part 1

Format	Color
Hex	FF9D7E
RGB	255, 157, 126
RGB Percent	100%, 62%, 49%
CMY	0.0000, 0.3843, 0.5059
CMYK	0.00, 0.38, 0.51, 0.00
HSL	14°, 100%, 75%
HSV	14°, 51%, 100%
XYZ	57.0632, 46.8803, 25.7751
YIQ	182.7680, 68.3590, 11.1350

Conversions

Conversions Part 2

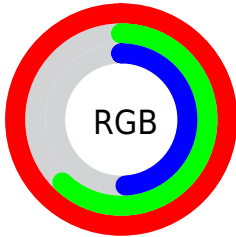
Format	Color
R _Y B	255, 167, 126
Decimal	16751998
CIE Lab	74.11, 33.38, 31.65
CIE LCh	74, 46.000, 43.470
Yxy	46.8803, 0.4399, 0.3614
Android (android.graphics.Color)	4294942078 (0xFFFF9D7E)
YUV	182.7680, -27.9866, 63.3475
Hunter-Lab	68.4692, 28.9434, 25.6088

Details

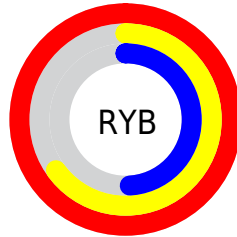
The Yxy color **46.8803, 0.4399, 0.3614** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **64.9559, 0.2395, 0.2918**, and the grayscale version is **47.3486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6016, 0.3699, 0.3632**, and **22.0245, 0.4765, 0.3649** is the 20% darker color. If you saturate the color by 10%, you get **40.2625, 0.4780, 0.3659**, and if you desaturate by 10%, it is **54.7081, 0.4058, 0.3554**.

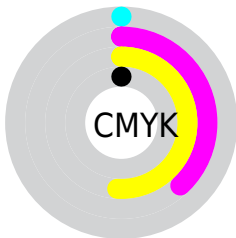
Distribution



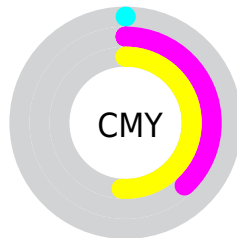
- Red (100%)
- Green (62%)
- Blue (49%)



- Red (100%)
- Yellow (65%)
- Blue (49%)



- Cyan (0%)
- Magenta (38%)
- Yellow (51%)
- Black (0%)




- Cyan (0%)
- Magenta (38%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8803, 0.4399, 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 46.8803, 0.4399, 0.3614 by changing the saturation by 10% instead.


 46.8803, 0.4399,
0.3614


 46.8803, 0.4399,
0.3614


374.3365, 0.3761,
0.3488


 32.9410, 0.4555,
0.3633


 85.5349, 0.4169,
0.3577

 22.0813, 0.4751,
0.3650


 111.0191, 0.4082,
0.3561

 13.9166, 0.5004,
0.3660


 141.1203, 0.4008,
0.3545

 8.0627, 0.5339,
0.3650

176.2230, 0.3945,
0.3532

 4.1351, 0.5802,
0.3595

216.7116, 0.3890,
0.3519

 1.7494, 0.6538,
0.3462

262.9704, 0.3842,

 0.4553, 0.7430,

0.3508

0.2570

315.3840, 0.3799,
0.3497

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.8803, 0.4399,
0.3614

46.8803, 0.4399,
0.3614

40.2625, 0.4780,
0.3659

54.7081, 0.4058,
0.3554

34.7879, 0.5182,
0.3678

63.7983, 0.3764,
0.3488

30.3904, 0.5571,
0.3660

74.2058, 0.3516,
0.3420

26.9946, 0.5900,
0.3600

85.9812, 0.3309,
0.3355

■ 24.6307, 0.6128,
0.3516

99.1720, 0.3136,
0.3293

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.



46.8803, 0.4123, 0.3128



46.8803, 0.4399, 0.3614



46.8803, 0.4285, 0.4082

Triad

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



46.8803, 0.4399, 0.3614



46.8803, 0.2650, 0.4003



46.8803, 0.2367, 0.2295

Complementary

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



46.8803, 0.4399, 0.3614



64.9559, 0.2395, 0.2918

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.



46.8803, 0.2061, 0.2403



46.8803, 0.4399, 0.3614



46.8803, 0.2203, 0.3346

Square

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



46.8803, 0.4399, 0.3614



46.8803, 0.3254, 0.4418



46.8803, 0.2002, 0.2759



46.8803, 0.2894, 0.2407

Rectangle

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



46.8803, 0.4399, 0.3614



46.8803, 0.4025, 0.4327



46.8803, 0.2002, 0.2759



46.8803, 0.2238, 0.2305

Sweetspot

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



46.8820, 0.4399, 0.3614



80.6204, 0.3395, 0.3383



41.6091, 0.3464, 0.2314



16.7277, 0.3439, 0.3397



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.



46.8820, 0.4399, 0.3614



40.0180, 0.4796, 0.3660



74.2662, 0.4035, 0.4235



18.6960, 0.3288, 0.3348



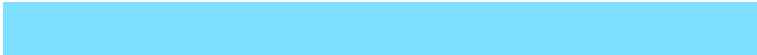
13.0614, 0.6101, 0.3538



1.4326, 0.5886, 0.3709

Inverse Universe

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



64.9559, 0.2395, 0.2918



59.8341, 0.2278, 0.2827



36.9319, 0.2234, 0.2100



19.6977, 0.2980, 0.3231



24.1052, 0.2025, 0.2491



2.5160, 0.2054, 0.2593

Previews

White Background



This preview shows how the Yxy color 46.8803, 0.4399, 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 46.8803, 0.4399, 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 46.8803, 0.4399, 0.3614

Background



This preview shows how black text looks on a background with the Yxy color 46.8803, 0.4399, 0.3614.



This preview shows how white text looks on a background with the Yxy color 46.8803, 0.4399, 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

46.8803, 0.4399, 0.3614

Protanopia

46.9978, 0.3624, 0.3871

Deuteranopia

47.1501, 0.3991, 0.3911



Tritanopia

46.7228, 0.4034, 0.3177

Trichromacy



Original Color

46.8803, 0.4399, 0.3614

Protanomaly

46.3323, 0.3894, 0.3775

Deuteranomaly

46.6163, 0.4143, 0.3792

Tritanomaly

46.5732, 0.4175, 0.3335

Monochromacy



Original Color

46.8803, 0.4399, 0.3614

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.4360, 0.3552, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8803, 0.4399, 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, 157, 126)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 126)  
}
```

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, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 126) }
```

Border

The CSS property to change the border of an element to Yxy 46.8803, 0.4399, 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, 157, 126) }
```

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

```
.border{ border-color:rgb(255, 157, 126) }
```

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, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 126);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8803, 0.4399, 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, 157, 126) }
```

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

```
.background{ background-color: rgb(255,  
157, 126) }
```

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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