

Converting Colors

$Y_{xy}(47.7701, 0.4427, 0.3693)$

Have a look what the booklet for
Yxy(47.7701, 0.4427, 0.3693)
contains.

Yxy(47.7821, 0.4427, 0.3694)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.7821, 0.4427, 0.3694)

Conversions

Conversions Part 1

Format	Color
Hex	FFA079
RGB	255, 160, 121
RGB Percent	100%, 63%, 47%
CMY	0.0000, 0.3725, 0.5253
CMYK	0.00, 0.37, 0.53, 0.00
HSL	17°, 100%, 74%
HSV	17°, 53%, 100%
XYZ	57.2635, 47.7821, 24.3050
YIQ	183.9590, 69.1390, 8.0110

Conversions

Conversions Part 2

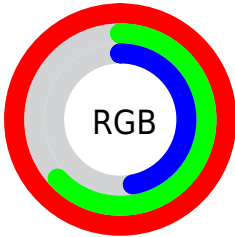
Format	Color
R_{YB}	255, 176, 121
Decimal	16752761
CIE _{Lab}	74.69, 31.40, 35.03
CIE _{LCh}	75, 47.048, 48.130
Yxy	47.7821, 0.4427, 0.3694
Android (android.graphics.Color)	4294942841 (0xFFFFA079)
YUV	183.9590, -31.0388, 62.3030
Hunter-Lab	69.1246, 26.9031, 27.5402

Details

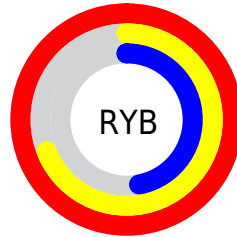
The Yxy color **47.7821, 0.4427, 0.3694** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **60.4144, 0.2354, 0.2816**, and the grayscale version is **48.0579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9169, 0.3727, 0.3713**, and **22.5854, 0.4784, 0.3734** is the 20% darker color. If you saturate the color by 10%, you get **41.4189, 0.4793, 0.3746**, and if you desaturate by 10%, it is **55.2273, 0.4094, 0.3623**.

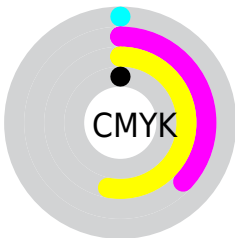
Distribution



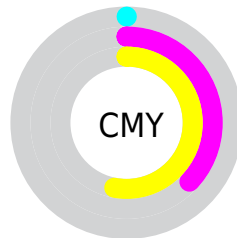
- Red (100%)
- Green (63%)
- Blue (47%)



- Red (100%)
- Yellow (69%)
- Blue (47%)



- Cyan (0%)
- Magenta (37%)
- Yellow (53%)
- Black (0%)





- Cyan (0%)
- Magenta (37%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7821, 0.4427, 0.3694 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 47.7821, 0.4427, 0.3694 by changing the saturation by 10% instead.


 47.7821, 0.4427,
0.3694


 47.7821, 0.4427,
0.3694


377.9278, 0.3780,
0.3532


 33.6544, 0.4583,
0.3720


 86.8799, 0.4195,
0.3645

 22.6282, 0.4779,
0.3746


 112.6187, 0.4107,
0.3624

 14.3192, 0.5028,
0.3765


 142.9967, 0.4032,
0.3605

 8.3430, 0.5354,
0.3765

178.3982, 0.3967,
0.3587

 4.3152, 0.5813,
0.3731

219.2077, 0.3911,
0.3571

 1.8514, 0.6430,
0.3570

265.8095, 0.3862,

 0.5189, 0.7198,

0.3557

0.2802

318.5881, 0.3818,
0.3544

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.7821, 0.4427,
0.3694

47.7821, 0.4427,
0.3694

41.4189, 0.4793,
0.3746

55.2273, 0.4094,
0.3623

36.0779, 0.5172,
0.3767

63.7960, 0.3803,
0.3544

31.7041, 0.5534,
0.3746

73.5361, 0.3554,
0.3462

28.2334, 0.5839,
0.3678

84.4906, 0.3344,
0.3383

■ 26.1811, 0.6017,
0.3605

■ 96.7001, 0.3167,
0.3308

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



47.7821, 0.4208, 0.3199



47.7821, 0.4427, 0.3694



47.7821, 0.4253, 0.4158

Triad

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



47.7821, 0.4427, 0.3694



47.7821, 0.2558, 0.3919



47.7821, 0.2425, 0.2285

Complementary

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



47.7821, 0.4427, 0.3694



60.4144, 0.2354, 0.2816

Split Complementary

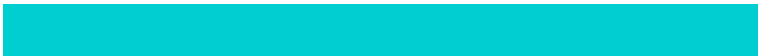
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.7821, 0.2078, 0.2357



47.7821, 0.4427, 0.3694



47.7821, 0.2140, 0.3242

Square

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



47.7821, 0.4427, 0.3694



47.7821, 0.3155, 0.4400



47.7821, 0.1979, 0.2676



47.7821, 0.2988, 0.2430

Rectangle

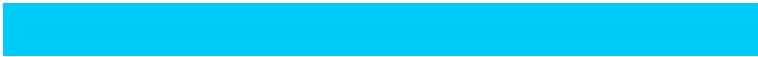
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.7821, 0.4427, 0.3694



47.7821, 0.3960, 0.4387



47.7821, 0.1979, 0.2676



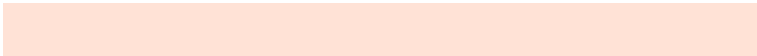
47.7821, 0.2283, 0.2283

Sweetspot

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



47.7845, 0.4427, 0.3694



80.5552, 0.3413, 0.3410



39.9552, 0.3550, 0.2340



16.7568, 0.3456, 0.3426



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.



47.7845, 0.4427, 0.3694



41.1485, 0.4810, 0.3748



77.0195, 0.4037, 0.4325



18.8478, 0.3287, 0.3360



13.9018, 0.5988, 0.3628



1.5321, 0.5767, 0.3803

Inverse Universe

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



60.4144, 0.2354, 0.2816



54.8606, 0.2233, 0.2703



33.1197, 0.2180, 0.1959



19.5363, 0.2980, 0.3219



21.2730, 0.1975, 0.2311



2.2598, 0.2010, 0.2436

Previews

White Background



This preview shows how the Yxy color 47.7821, 0.4427, 0.3694 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 47.7821, 0.4427, 0.3694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

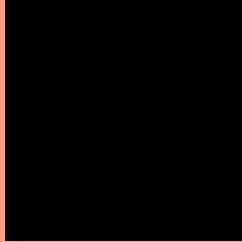
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7821, 0.4427, 0.3694

Background



This preview shows how black text looks on a background with the Yxy color 47.7821, 0.4427, 0.3694.



This preview shows how white text looks on a background with the Yxy color 47.7821, 0.4427, 0.3694.

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

47.7821, 0.4427, 0.3694

Protanopia

48.0618, 0.3694, 0.3964

Deuteranopia

47.8883, 0.4056, 0.3970



Tritanopia

47.8270, 0.3992, 0.3177

Trichromacy



Original Color

47.7821, 0.4427, 0.3694

Protanomaly

47.2523, 0.3956, 0.3864

Deuteranomaly

47.5738, 0.4194, 0.3864

Tritanomaly

47.5760, 0.4161, 0.3367

Monochromacy



Original Color

47.7821, 0.4427, 0.3694

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

46.9348, 0.3567, 0.3464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7821, 0.4427, 0.3694 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, 160, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 121)  
}
```

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, 160, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 121) }
```

Border

The CSS property to change the border of an element to Yxy 47.7821, 0.4427, 0.3694 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, 160, 121) }
```

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

```
.border{ border-color:rgb(255, 160, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 160, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7821, 0.4427, 0.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 160, 121) }
```

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

```
.background{ background-color: rgb(255,  
160, 121) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor